KV-X2551D/X2951D

SERVICE MANUAL



AEP Model

KV-X2551D

Chassis No. SCC-E18X-A

KV-X2951D

Chassis No. SCC-E18W-A

AE-1C CHASSIS

MODELS OF THE	SAME SERIES
KV-X2551D/X2951D	KV-E2521D/E2921D
KV-C2551D/C2951D	KV-C2121D
KV-A2111D/A2511D	

SPECIFICATIONS

[KV-X2551D/X2951D]

Television system

Color system

Picture tube

Stereo system

Channel coverage

PAL, SECAM, NTSC3.58, NTSC4.43

B/G/H

GERMAN stereo

VHF: E2-E12 UHF: E21-E69

CABLE TV (1) : S1-S41

CABLE TV (2) : S01-S05, M1-M10, U1-U10

HI-Black Trinitron tube Approx. 63 cm (25 inches)

(Approx. 59 cm picture measured diagonally)

110° degree deflection Approx. 72 cm (29 inches)

(Approx. 68 cm picture measured diagonally)

110° degree deflection

→2/ -21-pin Euro

connector

-Inputs for audio and video signals

-Inputs for S-video

-Outputs for video and audio signals

(selectable)

Audio output(vartable) -phono jacks

D Video input phono jack

Audio inputs (L,R) phono jacks

S-video Inputs-4pin DIN

Headphone jack: stereo mini jack

Sound output

30 W + 30 W

Power consumption

104Wh (KV-X2551D)

114Wh (KV-X2951D)

- Continued on next page -

Inputs Outputs Terminals

REAR

ö- 21 pin Euro connector -Inputs for audio and video signals

(CENELEC standard)

-Inputs for RGB

-Outputs of TV video and audio signals



TRINITRON®COLOR TV SONY

Dimensions incl.speakers Approx. 575×488×487 mm (w/h/d)

(KV-X2551D)

Approx. $656 \times 560 \times 518$ mm (w/h/d)

(KV-X2951D)

Weight incl.speakers Approx. 35kg (KV-X2551D)

Approx. 51kg (KV-X2951D)

[RM-816]

Remote control system infrared control

Power requirements 3V dc

2 batteries IEC designation

R6 (size AA)

Dimentions Approx. $75 \times 221 \times 23 \text{mm}(\text{w/h/d})$

Weight Approx. 230g (including batters)

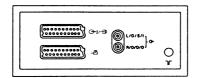
Accessories supplied IEC designation R6 batteries (2)

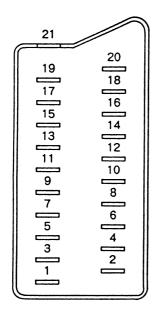
Supplied accessories RM-816 Remote Commander (1)

IEC designation R6 batteries (2)

Design and specifications are subject to change without notice.

21 pin connector (-6), \bigcirc 2/ \bigcirc 3)





4 pin connector (👀)

Pin No.	Signal	Signal level
1	Ground	
2	Ground	
3	Y (S signal) input	1V \pm 3dB, 75ohms, positive Sync: 0.3V $^3_{10}$ dB
4	C (S signal) input	0.3V ± 3dB, 75ohms, positive

Pin No.	1	2	Signal	Signal level
1	0	0	Audio output B (right)	Standard level: 0.5Vrms Output impedance: Less than 1kohm*
2	0	0	Audio input B (right)	Standard level: 0.5Vrms Input impedance: More than 10kohms*
3	0	0	Audio output A (left)	Standard level: 0.5Vrms Output impedance: Less than 1kohm*
4	0	0	Ground (audio)	
5	0	0	Ground (blue)	
6	0	0	Audio input A (left)	Standard level: 0.5Vrms Input impedance: More than 10kohms*
7	0	•	Blue input	0.7V ± 3dB, 75ohms, positive
8	0	0	Function select (AV control)	High state (9.5 - 12V): Part mode Low state (0 - 2V): TV mode Input impedance: More than 10kohms Input capacitance: Less than 2 nF
9	0	0	Ground (green)	
10	0	0	Open	
11	0	•	Green	Green signal: $0.7V \pm 3dB$, 750hms, positive
12	0	0	Open	
13	0	0	Ground (red)	
14	0	0	Ground (branking)	
15	0	-	Red input	0.7V ± 3dB, 75ohms, positive
	_	0	(S signal) croma input	0.3V ± 3dB, 75ohms, positive
16	0	•	Blanking input (Ys signal)	High state (1 - 3V) Low state (0 - 0.4V) Input impedance: 75ohms
17	0	0	Ground (video output)	
18	0	0	Ground (video input)	
19	0	0	Video output	$1V \pm 3$ dB, 75ohms, positive Sync: 0.3V (-3 , +10dB)
20	0	-	Video input	1V \pm 3dB, 75ohms, positive Sync: 0.3V ($-$ 3, \pm 10dB)
20	-	0	Video Input/Y (S signal)	1V \pm 3dB, 75ohms, positive Sync: 0.3V ($-$ 3, \pm 10dB)
21	0	0	Common ground (plug,	shield)

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CAUTION

SHORT CIRCUIT THE ANODE OF THE PICTURE TUBE AND THE ANODE CAP TO THE METAL CHASSIS, CRT SHIELD, OR CARBON PAINTED ON THE CRT, AFTER REMOVING THE ANODE.

SAFETY-RELATED COMPONENT WARNING!!

COMPONENTS IDENTIFIED BY SHADING AND MARK A ON THE SCHEMATIC DIAGRAMS, EXPLODED VIEWS AND IN THE PARTS LIST ARE CRITICAL TO SAFE OPERATION. REPLACE THESE COMPONENTS WITH SONY PARTS WHOSE PART NUMBERS APPEAR AS SHOWN IN THIS MANUAL OR IN SUPPLEMENTS PUBLISHED BY SONY.

SECTION 1 GENERAL

1-1. SWITCHING ON/OFF

1-2. PRESETTING

After you have completed the basic preparation your TV is ready to be connected to the mains power supply (220/240V AC, 50Hz).

Thomas arting th How to turn the TV on

Result

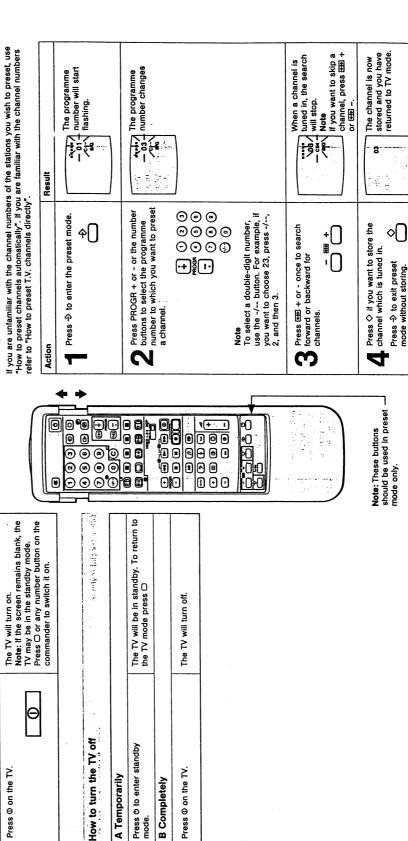
Action

How to preset channels automatically Slide open the full function side of the remote commander to reveal preset buttons.

There are 60 spaces for storing these channels.

TV stations broadcast their channels at certain frequencies. You must preset these channels to programme numbers on the TV before you can watch the TV.

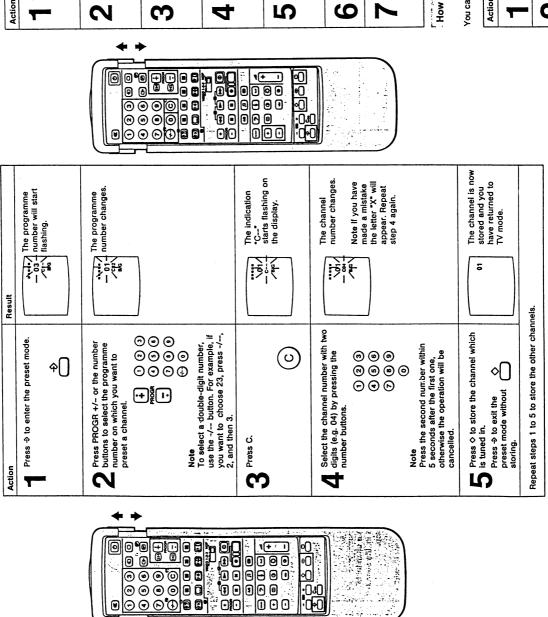
After you have installed the TV you need to preset TV channels.



Repeat steps 1 to 4 to store the other channels.

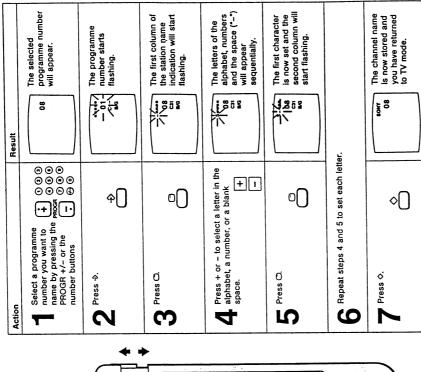
Ď

How to preset channels directly



How to Name a Station

You can use up to five characters to "name" a channel or station (i.e. BBC1).



The state of the s How to tune in a channel temporarily

You can tune in a channel temporrarily, if it has not been preset.

	Result
Press C.	The indication "C" appears on the screen.
Select the channel number with two digits by pressing the number buttons (e.g. for channel 4, first press 0, then 4.)	The channel is received, but it is not stored to any programme number.

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1-3. BASIC TV OPERATION

How to Skip Programmes. □ on door to

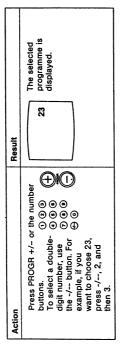
Using the PROGR +/- buttons you can skip unused programme channel numbers. However, the skipped numbers may still be called up using the number buttons.

Action	uo		Result	
7	Press -> to enter the preset mode. -수	eset mode.	The	The programme number will start flashing.
N	Select the programme number that you want to skip by pressing PROGR +/- or the number buttons.	000 000 000 	ph /	The programme number changes.
(T)	Press Coo.	ೈ	The state of the s	The lowest channel number appears under the programme number.
7	Press 0.	⋄ ①	03 Sto	The channel is now stored and you have returned to TV mode.
Rep	Repeat steps 1 to 4 to skip other programme numbers.	ther programm	ne numbers.	

This section introduces you to the basic control functions which are available on the simple side of the remote commander.

How to Select Programmes

Before you can select programmes make sure that you have preset channels.



-/+0+2+4 -

How to Adjust the Volume where build competitive in the Volume

	The volume markers will appear. and are	
Result		4
	ب (90
Action	Press	

How to Use additional features One of the coloured buttons for fastext operation. The Button to view the teletext.

The Obutton to request subtitles (P.888). The Obutton to return to TV mode. For details about teletext operation, Basic teletext operation Select

How to operate with the buttons on the TV

You can also select programmes and adjust the volume using the P→Δ→⊕ and →•←+/- buttons on the front of the TV.

For operation, first press the P→Δ→⊕ button repeatedly so that the P (for programme) or ∠ (for volume) indication appears on the screen, and then adjust with the →• ← +/- buttons.

Note: To restore to factory set level press →・← +/- together.

How to view the video input picture Press ⊖ To return to the TV mode, press ⊖. For further details.

f the picture is distorted, you can fine tune the channel manually. How to Fine Tune Manually

The programme number starts flashing. The indication \leftarrow F \rightarrow appears on the screen. The fine tuning is stored. Result Press 胚 + or - repeatedly until the picture looks normal. Press ⇒ to enter the preset mode. Press 4. Action

Note: Normal tuning can be restored if you preset the channel once more.

1-4. ADVANCED TV OPERATION

This section shows you how to use convenient features and how to adjust the picture and sound to your taste.

Use the full-function side of the Remote Commander.

How to use on-screen display and special sound features

You can enjoy the following convenient features.

How to	Action	To resume normal picture/sound
Display on-screen indications	Press &	Indications disappear after some seconds
Display programme numbers	Press @twice	Press (twice again.
Mute the sound	Press Q.	Press 椞 again.
Select a language in bilingual programmes.	Press A/B. The selected mode of the A-CD-B indicator on the TV lights up.	Press A/B.
Set the sound for music listening.	Press Ӆ.	Press ∏ again.
Use the space sound (special acoustic effect)	Press 🕀	Press 🕀 again.
Request the time	Press @.	Press @ again.

H A-G-B

How to adjust the picture and sound

Although the picture and sound have been adjusted at the factory, you might want to adjust them to your own taste. To do this, please follow the steps below.

To Adjust:	Press:	Then:	Result: (+ ← −)
Picture:			
Colour Intensity	•		More ←→ Less
Picture Contrast	•	4	More ←→ Less
Brightness	¢] [Bright ←→ Dark
Hue (for NTSC only)	·3	1	Reddish ←→ Greenish
Picture Sharpness (only for 29 INCH)	θ		Sharp ←→ Soft
Sound:			
Bass	2	4	More ←→ Less
Treble	*	E [More ←→ Less
Balance	3	1	More Right ←→ More Left

To reset the picture and sound to factory set levels press ----

On the set: Press → · ← +/- buttons simultaneously.

1-5. TELETEXT OPERATION

TV stations broadcast teletext programmes via the TV channels. To receive teletext programmes, use the buttons indicated in green on the full side of the Remote Commander.
With the simple side of the Remote Commander, only the basic operation is possible.

Action	uo	Result		ď
T	Select the channel which carries the teletext service you wish to see.	The channel changes on the screen.		5
N	Press @.	If the teletext signal Is not broadcast, then is not broadcast, then DIOO is displayed.	1	<u>m</u>
			l	& e
C	Input three digits for the page	The numbers are entered on the		
)	Number using the funities bottons. Note If you make a mistake, type in any three digits, then re-enter the correct page number.	appear in a few seconds.	L	\$ ₹ ₹
	To return to the TV mode. Press O.			
	To change the teletext channels First press O to return to the TV mode, then repeat steps 1 to 3.	, then repeat steps 1 to 3.		

Note If the signal of the TV channel is weak, teletext errors may often occur.

How to Use the Advanced Feat	How to Use the Advanced Features of Teletext		Have a request at a pre-determ
How to	Action	Result (On-screen display)	
Request the index page.	Press © (INDEX).	INDEX appears.	
Request the subtitle page (p888).	Press Q.	The subtitle page is displayed (p888).	
Access the next or preceding page. Press 🖲 (PAGE +) or 🖲 (PAGE -).	Press 🔁 (PAGE +) or 🖷 (PAGE -).	The next or preceding page appears.	Some of the feat

How to	Action	Result
Superimpose the teletext display on the TV programme.	Press @ once if you are in text mode, or press @ twice if in TV mode. To return to the normal teletext display press @ again.	The teletext displays are superimposed on the TV
Prevent a teletext page from being updated or changed.	Press & (HOLD). To resume normal teletext reception, press @ (TEXT/MIX).	The HOLD symbol (B) appears on the properties of the properties o
Enlarge the teletext display.	Press & once to enlarge the upper half. Press twice to enlarge the lower half. Press again to restore the normal display.	woll weather and the upper half is enlarged.
Reveal concealed information (e.g. answers to a quiz).	Press © (REVEAL). Press again to conceal the information.	The information is revealed.
Watch the TV programme while waiting for a requested page to be displayed.	1. Request a new page. 2. Press ® (TEXT CL).	The numbers are entered. The TV programme is displayed, and
		teletext data appear at the top of the screen.
	3. When the requested page has been captured, the page number remains and the other data disappears.	P201
	4. Press to view this page.	The requested page is displayed.
Have a requested page displayed	1. Request a desired page.	The requested page is displayed.
at a pre-determined time.	2. Press @ (TP ON).	"T**** appears at the bottom of the screen.
	3. Enter the time you want to have the page displayed with four digits using the number buttons. (For example, enter 0730 for 7:30 AM.)	The time is entered on the sczeen.
	4. Press @ (TEXT CL) to watch the TV programme until the requested time.	At the requested time, the page number will be displayed at the top of the screen, to view this page, press ®.
	To cancel the request Display the teletext page, then press ® (TP OFF).	The request is cancelled. To resume TV mode press O.

tures may not be available depending on the Teletext service.

1-6. OPTIONAL CONNECTIONS / OPERATIONS

You can view the picture of video equipment connected to the input terminals by selecting the input mode.

How to view the video input picture

How to use the FASTEXT Feature

FASTEXT feature allows you to access pages quickly with one key operation. When a FASTEXT page is broadcast, a colour coded menu appears at the bottom of the screen. Each coloured prompt corresponds to the coloured buttons on either side of your Remote Commander.

Operation

Result	d buttons which The selected teletext page appears. ed prompt on	
Action	Press one of the coloured buttons which correspond to the coloured prompt on the teletext.	

Symbol for the selected input appears. (See the table below.)

ē

Press - Erepeatedly to select the desired input.

Result



Operation

Action



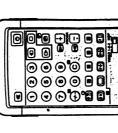
		_	
	0		
		<u>ම</u>	<u>ම</u>
١		0	<u> </u>
		Θ	•
1			



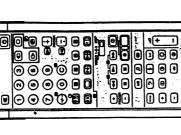
Note Correct FASTEXT operation depends on the necessary signals sent from the TV station.

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Audio/video input through ©and -® jacks on the front.

S video input through the 😝 connector on the front

You can also select the input mode using the P $\stackrel{\leftarrow}{\leftarrow}$ Δ $\stackrel{\leftarrow}{\leftarrow}$ button on the TV in this case, first select $\stackrel{\leftarrow}{\leftarrow}$ and then press +/- buttons to select the input.

(4-pin connector)

S video input (from a VTR equipped with an S video output) through the @+ 2/-8 connector.

Audio/video input through the @- 2/-B connector.

Audio/video input through the - connector. RGB input through the -5 connector

Result

Input modes

To return to the TV mode, press the ○ button.

477

How to select the Output

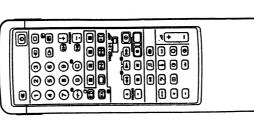
The G+2/-码 connector outputs four kinds of audio/video signals. You have to select one of them as follows. Color Care of the Section of the sec

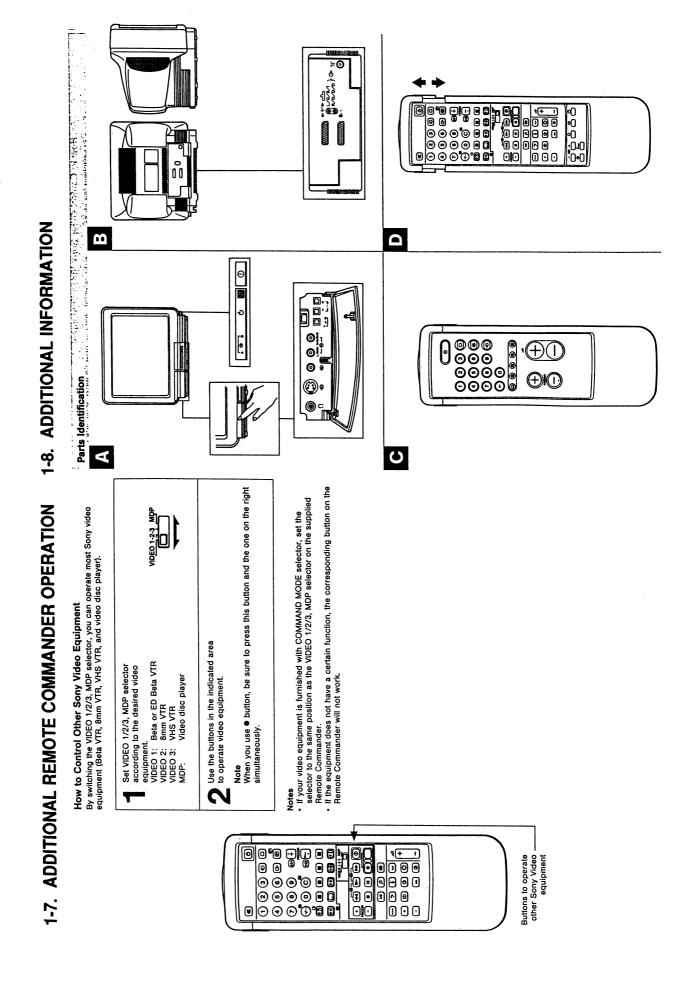
Operation

Action		Result	
Press G	Press G- repeatedly to select the desired input.	Φ	Symbol for the selected output appears. (See the table below.)

Output modes

Symbol	Output from
Ф-	The audio/video signal from the -Ⴃ 1 connector
2Ф	The audio/video signal from the G∙ 2/-B connector
ф	The audio/video signal from the ← ← Connectors.
ው ው	The audio/video signal from the Traerial terminal.



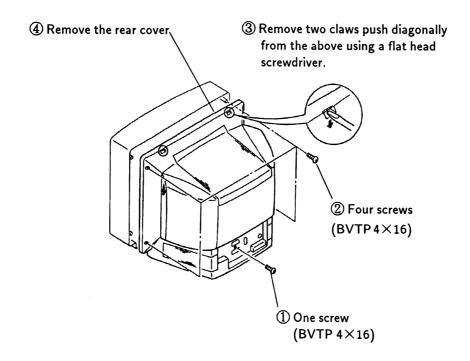


This section briefly describes the buttons and controls on the TV set and on the Remote Commander. For more information.

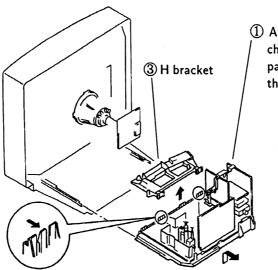
Name Main power switch Standby indicator NICAM Indicators Headphones jack (steteo minijack) Input jacks (S-video video/audio) Function selector (Programme/ volume/input) buttons for Iunction selector ar Name 31-pin Euro-AV	Sign	Name Mute on/off button Standby button
by indicator A forces I tors I tors	6 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	Mute on/off button Standby button
by indicator for a formal control con	0 1,2,3,4,5, 6,7,8,9, and 0 -E	Standby button
lors hornes jack horningack) lacks (S-video laudio) on selector anme/ anme/ anmel/ innent is for on selector on selector Name Name	1,2,3,4,5, 6,7,8,9, and 0 ———————————————————————————————————	Nimbor buttone
o minijack) igacks (5-video lacks (5-video vaucio) mon selector ment is for on selector on selector Name Name	Φ Ο Ō Ō	Marine Danois
acks (S-video audicio) on selector on selector ment ment innent si for on selector an selector Name Name	О ф 📵	Input mode selector
on selector amme/ e/input) Imment is for an selector Name Euro-AV	ф ®	TV power on/TV mode selector button
when the state of	(1)	Output mode selector
on selector Name Euro-AV		Teletext button
Name Euro-AV	C	Music button Selector for
Name N Euro-AV	A/B	NICAM
Euro-AV	-/-	Double-digit entering button
video/video input,	O	Direct channel entering button
leo output)	®	Space sound button
n Euro-AV ctor (RGB/	0	Request time display
video input, TV output		Teletext operation buttons
Audio output jacks (phono jacks)		Fastext buttons
Aerial terminal (IEC type)	Ф	On-screen display button
Commander – simple side		Picture and sound
Name	†	adjustment reset
Input mode selector	7+7	Volume control
Teletext button	PROGR +/-	Programme selector
Fastext buttons		Picture and sound
ode selector		controis
Standby button	VIDEO 1/2/3, MDP	Video equipment selector
Number buttons	44 44 *	Video equipment
Double-digit entering button		Programme number
Volume control buttons	8	clear button
Programme	ቀ	button
5	4	Tuning buttons
	♦	Channel store button
	0	Station label button
		Section Cooperation Coop

SECTION 2 DISASSEMBLY

2-1. REAR COVER REMOVAL

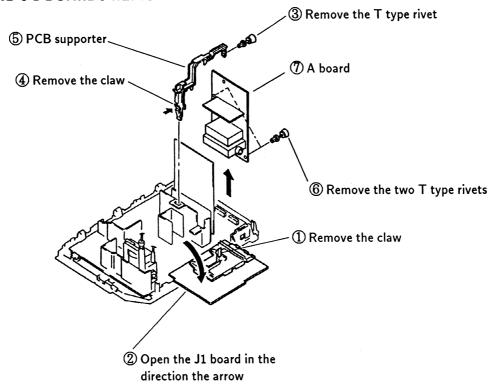


2-2. CHASSIS ASSEMBLY REMOVAL

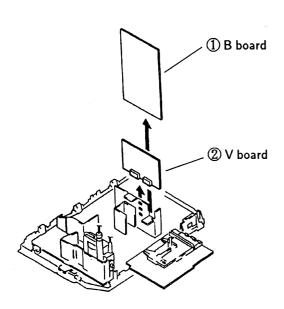


② Push the two claws of the main chassis in the direction of the arrow and remove the H bracket upwards. After the assembly of the main chassis, lift and pull out the rear part of the main chassis toward the rear.

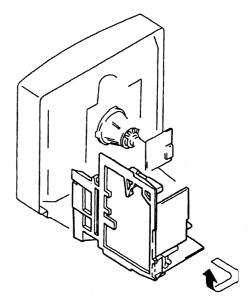
2-3. A AND J 1 BOARDS REMOVAL



2-4. B AND V BOARDS REMOVAL

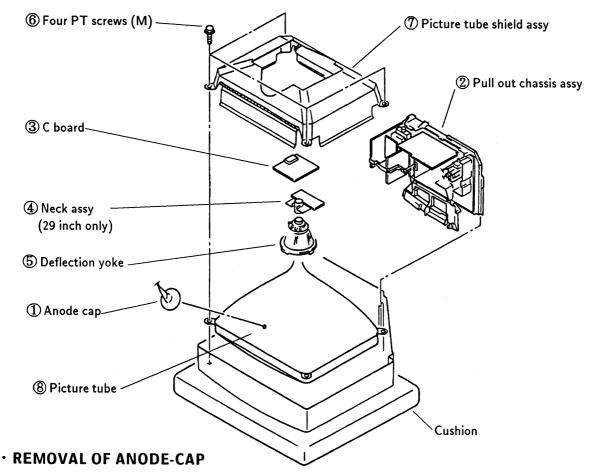


2-5. SERVICE POSITION



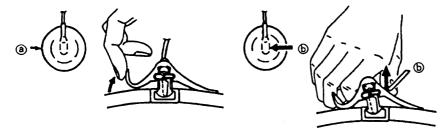
① Remove main chassis assembly in the direction of the arrow.

2-6. PICTURE TUBE REMOVAL

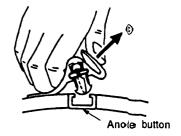


Short circuit the anode of the picture tube and the anode cap to the metal chassis, CRT chield or carbon painted on the CRT, after removing the anode.

REMOVING PROCEDURES



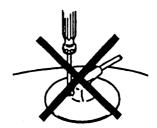
- ① Turn up one side of the rubber cap in the ② Using a thumb pull up the rubber cap direction indicated by the arrow @.
 - firmly in the direction indicated by the arrow (b).

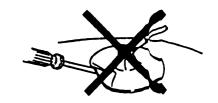


3 When one side of the rubber cap is separated from the anode lutton, the anode-cap can be removed byterning up the rubber cap and pulling up it in the direction of the arrow ©.

HOW TO HANDLE AN ANODE-CAP

- 1 Don't hurt the surface of anode-caps with sharp shaped material!
- Don't press the rubber hardly not to hurt inside of anode-caps! A material fitting called as shatter-hook
- terminal is built in the rubber. Don't turn the foot of rubber over hardly! The shatter-hook terminal will stick out or hurt the rubber.





SECTION 3 SET-UP ADJUSTMENTS

- When complete readjustment is necessary or a new picture tube is installed, carry out the following adjustments.
- Unless there is specific instruction to the contrary, carry out these adjustments with the rated power supply.
- Unless there is specific instruction to the contrary, set the controls and switches this way:

① Contrast80%

(or remote control normal)

☼ Brightness ······50%

- Carry out the following adjustments in this order:
 - 1. Beam landing
 - 2. Convergence
 - 3. Focus
 - 4. White balance

Note: Testing equipment required

- 1. Color bar/pattern generator
- 2. Degausser
- 3. DC power supply
- 4. Digital multimeter
- 5. Oscilloscope

Preparations:

- In order to reduce the influence of geomagnetism on the set's picture tube face it east or west.
- Switch on the set's power and degauss with the degausser.

3-1. BEAM LANDING

1. Input the white signal with the pattern generator.

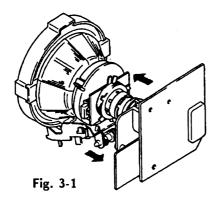
Contrast

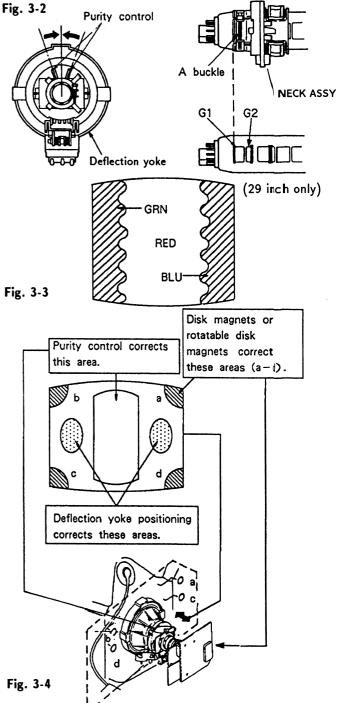
Bightness normal

- Position neck ass'y as shown in Fig 3-2.
 (29 inch only)
- 3. Set the pattern generator raster signal to red.
- 4. Move the deflection yoke to the rear and adjust with the purity control so that the red is at the center and the blue and the green take up equally sized areas on each side.

(See Figures 3-1 through 3-3.)

- 5. Move the deflection yoke forward and adjust so that entire screen is red. (See Figure 3-1.)
- 6. Switch the raster signal to blue, then to green and verify the condition.
- 7. When the position of the deflection yoke has been decided, fasten the deflection yoke with the screws.
- 8. If the beam does not land correctly in all the corners, use a magnet to adjust it.
 (See Figure 3-4.)



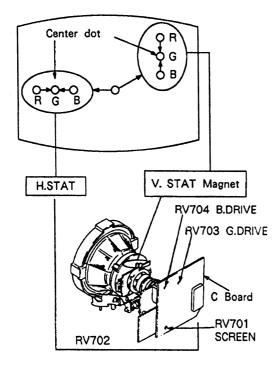


3-2. CONVERGENCE

Preparations:

- Before starting this adjustment, adjust the focus, horizontal size, and vertical size.
- Minimize the brightness setting.
- Provide dot pattern.

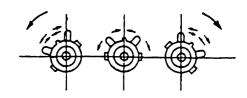
(1) Horizontal and vertical static convergence



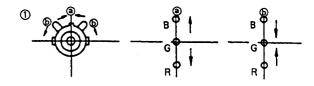
- 1. (Moving horizontally), adjust the H.STAT control so that the red, green, and blue points are on top of each other at the center of the screen.
- 2. (Moving vertically), adjust the V.STAT magnet so that the red, green, and blue points are on top of each other at the center of the screen.
- 3. If the H.STAT variable resistor cannot bring the red, green, and blue points together at the center of the screen, adjust the horizontal convergence with the H.STAT variable resistor and the V. STAT magnet in the manner given below.

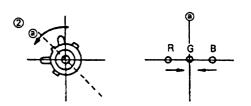
 (In this case, the H.STAT variable resistor and the V.STAT magnet influence each other)

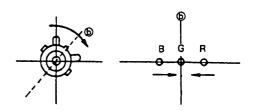
 Tilt the V.STAT magnet and adjust the static convergence by opening or closing the V.STAT magnet.

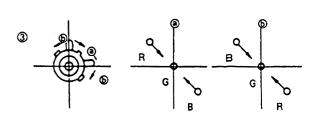


4. If the V.STAT magnet is moved in the direction of the (a) and (b) arrows, the red, green, and blue points move as shown below.

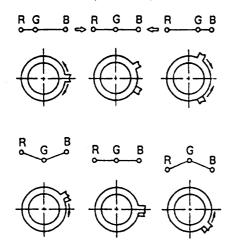






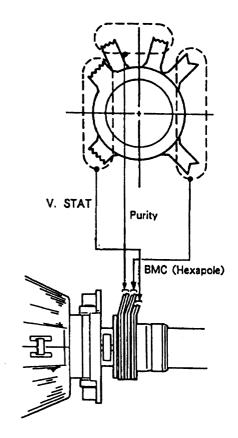


• Operation of BMC (Hexapole) Magnet



 The respective dot positions resulting from moving each magnet interact, so be sure to perform adjustment while tracking.

Use the H.STAT VR to adjust the red, green, and blue dots so they coincide at the center of screen (by moving the dots in the horizontal direction).

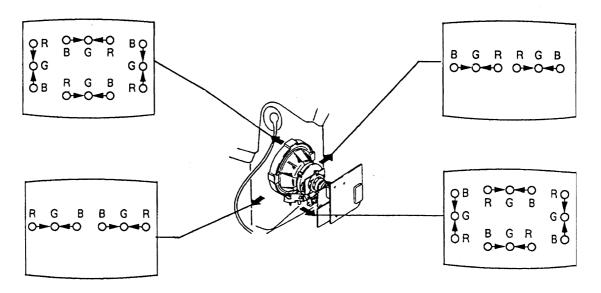


(2) Dynamic convergence adjustment Preparations:

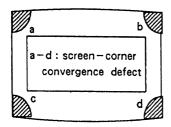
Before starting this adjustment, adjust the horizontal static convergence and the vertical static convergence.

- 1. Slightly loosen the deflection yoke screws.
- 2. Remove the deflection yoke spacer.

- 3. Move the deflection yoke as shown in the figure below and optimize the convergence.
- 4. Tighten the deflection yoke screws.
- 5. Install the defelection yoke spacer.

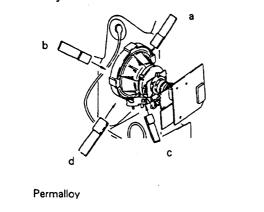


(3) Screen corner convergence



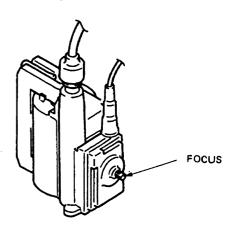


Install the permalloy assembly for the section with faulty.



3-3. FOCUS

Adjust the focus to optimize the screen.



3-4. WHITE BALANCE

[Screen G2 setting]

- 1. Input the dot signal from the pattern generator.
- 2. Set the picture brightness control to its lowest level.
- 3. Apply 170V DC to the R, G, and B cathodes with an external power supply.
- 4. While watching the picture, adjust G2 control RV701 (Screen) to the point just before the return lines disappear.

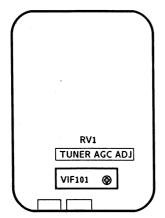
[White balance adjustment]

- 1. Input an all-white signal from the pattern generator.
- 2. Set the picture brightness and color controls to their normal levels.
- 3. Use the RV704 (B Drive) and RV703 (G Drive) to adjust white balance.

In the adjustments below, have the picture color and brightness settings at their normal levels unless there is a specific instruction to the contrary.

SECTION 4 CIRCUIT ADJUSTMENTS

4-1. A BOARD ADJUSTMENTS

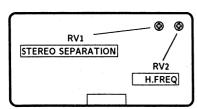


A BOARD (COMPONENT SIDE)

TUNER AGC ADJUSTMENT (VIF101, RV1)

- 1. Align with an appropriate signal between stations.
- Adjust RV1 so that snow noise and cross modulation just disappear from the picture.

IFG5.5S SIF



IFG5.5S SIF -component side-

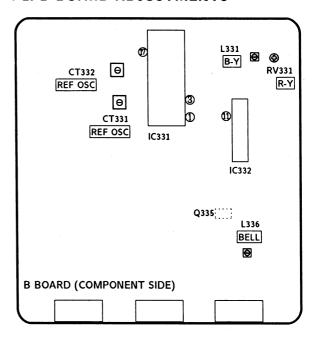
STEREO SEPALATION ADJUSTMENT (RV1)

- 1. Input stereo signals. (L-CH 400Hz, R-CH 1KHz)
- 2. Check the stereo indicator.
- 3. Connect on oscilloscope to pin® (CH1) of CN1 through band pass filter of 1KHz
- 4. Adjust RV1 so that 1KHz voltage goes down to the minmum.

H FREQ (RV2)

- 1. Input a PAL COLOR BAR signal, then connect a jumper between pin IC4 and GND.
- Connect a frequency counter to pin IFG5.5S
 (HP) of CN1 through a probe of 10:1.
- 3. Adjust RV2 (H.FREQ) 15.625 ± 50 Hz.
- 4. After adjustment, remove the jamper.

4-2. B BOARD ADJUSTMENTS



REFERENCE OSCILLATOR ADJUSTMENT (CT332 8.8MHz)

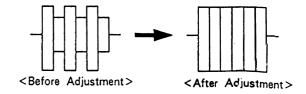
- 1. Input a PAL color bar signal.
- 2. Ground pin n of the IC331.
- 3. Adjust CT332 to obtain synchronization.

REFERENCE OSCILLATOR ADJUSTMENT (CT331 7.16MHz)

- 1. Input an NTSC color bar signal.
- 2. Ground pin ® of IC331.
- 3. Adjust the CT331 to obtain synchronization.
- 4. Remove the jumper grounding pin 🕅 of IC331.

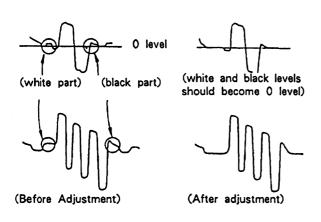
BELL FILTER ADJUSTMENT (L336)

- 1. Input a SECAM color bar signal.
- 2. Connect the oscilloscope to the emitter of Q335.
- 3. Adjust L336 so that the waveform is flat.

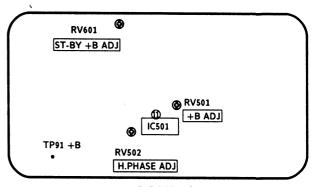


DISCRIMINATION ADJUSTMENTS (RV331 and L331)

- 1. Input a SECAM color bar signal.
- 2. Connect the oscilloscope to pin ① of IC331.
- Adjust RV331 until the white and black sections
 of the waveform at pin ① are at the 0 level.
 Connect the oscilloscope to pin ③ of IC331.
- 4. Adjust L331 until the white and black sections of
- 5. the waveform at pin 3 are at the 0 level.



4-3. D BOARD ADJUSTMENTS



D BOARD (COMPONENT SIDE)

+B ADJUSTMENT (RV501)

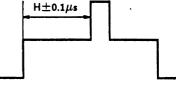
- 1. Connect the digital multimeter to TP91.
- 2. Adjust RV501 to obtain $135\pm0.2V$.

ST-BY +B ADJUSTMENT (RV601)

- 1. Put the system into \circlearrowleft standby mode (remote commander).
- 2. Connect the digital multimeter to TP91.
- 3. Adjust RV601 to obtain $135\pm3V$.
- 4. Take the system out of \circlearrowleft standby mode (remote commander).

H.PHASE ADJUSTMENT (RV502)

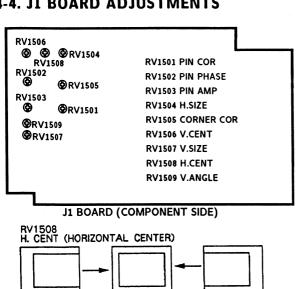
- 1. Input a PAL color bar signal.
- Set the picture and brightness controls to their normal levels.
- 3. Set RV1508 (H.CENT) to its mechanical center.
- 4. Connect the oscilloscope to pin (\$CP) of IC 501.
- 5. Rotate RV502 to adjust to $H \pm 0.1 \mu s$.

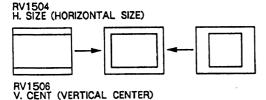


Standard of H. PHASE

Model Size	Н
25 "	$5.1 \mu s$
29 "	$5.5 \mu s$

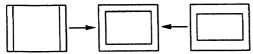
4-4. J1 BOARD ADJUSTMENTS



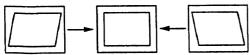




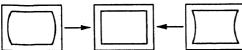




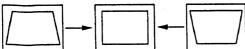
RV1509 V. ANGLE (VERTICAL ANGLE)



RV1503 PIN AMP (PINCUSHION AMPLIFIER)



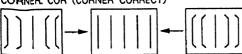
RV1502 PIN PHASE (PINCUSHION PHASE)



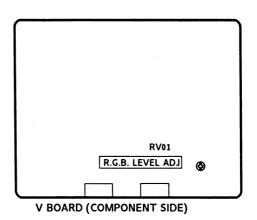
RV1501 PIN. COR (PINCUSHION CORRECT)



RV1505 CORNER. COR (CORNER CORRECT)



4-5. V BOARD ADJUSTMENT



RGB LEVEL ADJUSTMENT (RV01)

- Maximize the picture setting.
- Adjust RV01 so that the RGB output is 0.75V.

4-6. SECONDARY ADJUSTMENTS

SUB BRIGHTNESS ADJUSTMENT

- 1. Set the system to receive a test pattern.
- Press → ← on the remote commander to put the system into normal mode.
- 3. Switch off the power.
- While depressing the adjusting buttons + and
 simultaneusly, turn on the power. (SUB mode is obtained)
- 5. Minimize the O contrast setting.
- 6. Adjust the ⇔ brightness control so that the gray scale 0 IRE section is cut off completely and the 20 IRE section is barely glowing.
- 7. Depress the \diamondsuit (store) button of the remote commander.

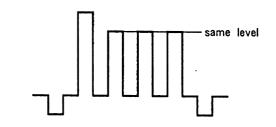
(SUB mode is released)

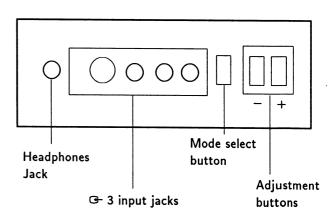
If there is no test color pattern

- 1. Set the system to receive a color pattern.
- Press → ← on the remote commander to put the system into normal mode.
 Set the ③ color to its normal state.
- 3-5. Steps are the same as above.
- 6. Since 20 IRE is nearly blue, adjust the ☆ brightness control so that the blue barely glows.
- 7. Same as step 7 above.
- Press → ← on the remote commander to put the system into normal mode.

SUB COLOR ADJUSTMENT

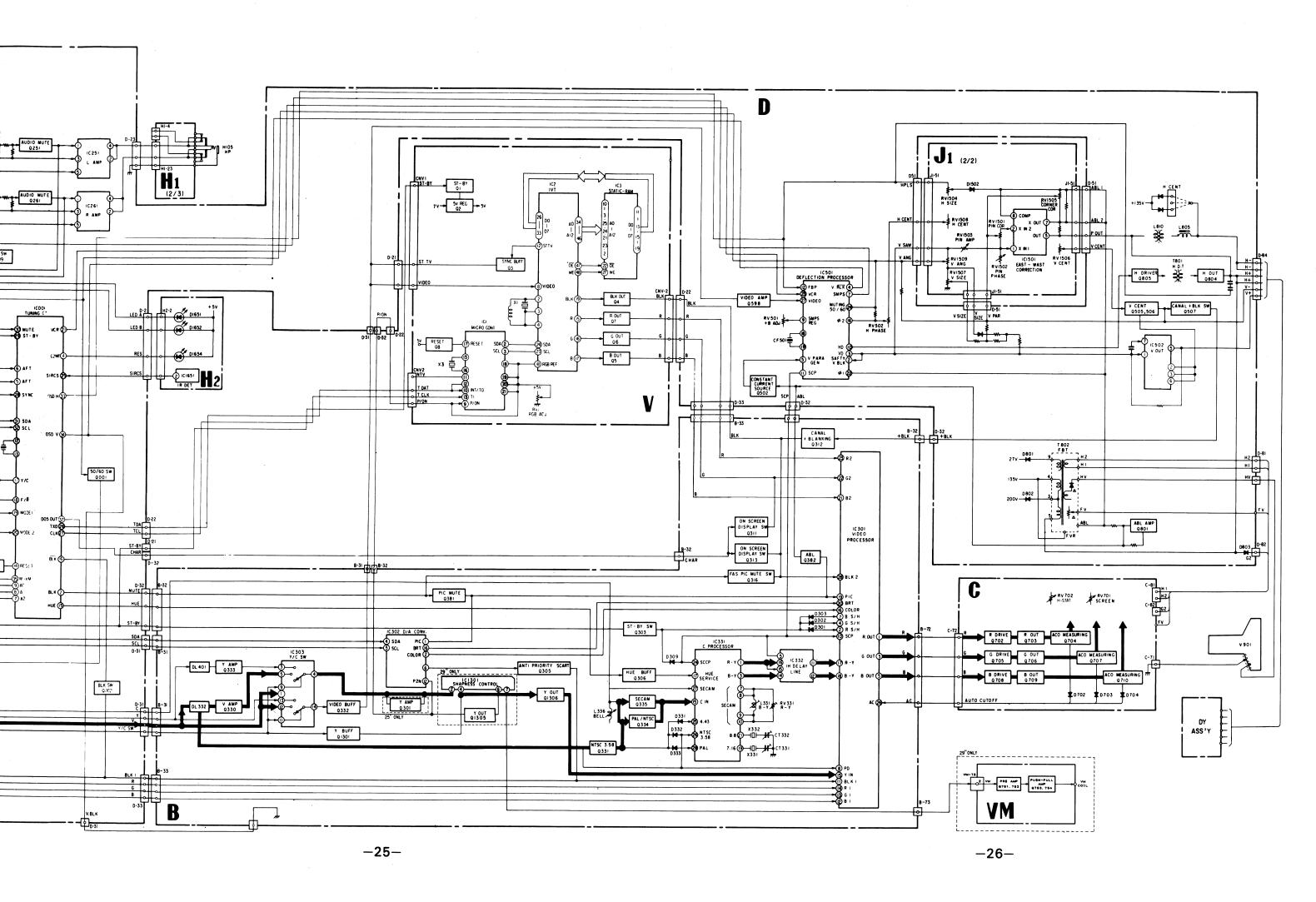
- 1. Set the system to receive color bars.
- Press → ← on the remote commander to put the system into normal mode.
- 3. Cut off the power.
- While depressing the adjustment buttons + and
 simultaneusly, turn on the power. (SUB mode is obtained).
- 5. Adjust the color control so that the B out waveform (pin 5 of C board connector CNC72) is as shown in the figure below.
- 6. Depress the \diamondsuit (store) button of the remote commander. (SUB mode is released)



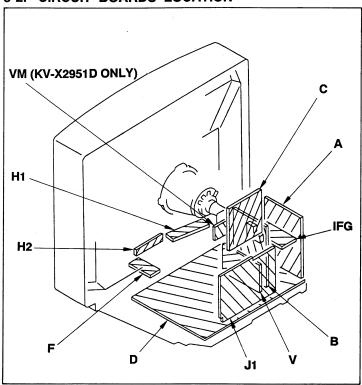


-24-

-23-



5-2. CIRCUIT BOARDS LOCATION



5-3. SCHEMATIC DIAGRAMS AND PRINTED WIRING BOARDS — Conductor Side —

Note

- All capacitors are in μF unless otherwise noted. pF: μμF 50 WV or less are not indicated except for electrolytic and tantalums.
- All resistors are in ohms. $k\Omega = 1000 \Omega$, $M\Omega = 1000 K\Omega$
- Indication of resistance, which does not have one for rating electrical power, is as follows.

Pitch: 5 mm Rating electrical power 1/4 W

- : nonflammable resistor.
- \bullet \triangle : internal component.
- ______: panel designation, or adjustment for repair.
- All variable and adjustable resistors have characteristic curve B, unless otherwise noted.
- \perp : earth-ground.
- + : earth-chassis.
- \bullet # : no mounted.

Note: The components identified by shading and mark

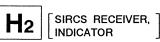
A are critical for safety. Replace only with
part number specified.

Reference information

RESISTOR	: RN	METAL FILM
	: RC	SOLID
	: FPRD	NONFLAMMABLE CARBON
	: FUSE	NONFLAMMABLE FUSIBLE
	: RS	NONFLAMMABLE METAL OXIDE
	: RB	NONFLAMMABLE CEMENT
	: RW	NONFLAMMABLE WIREWOUND
	: 💥	ADJUSTMENT RESISTOR
COIL	: LF-8L	MICRO INDUCTOR
CAPACITOR	: TA	TANTALUM
	: PS	STYROL
	: PP	POLYPROPYLENE
	: PT	MYLAR
	: MPS	METALIZED POLYESTER
	: MPP	METALIZED POLYPROPYLENE
	: ALB	BIPOLAR
	: ALT	HIGH TEMPERATURE
	: ALR	HIGH RIPPLE

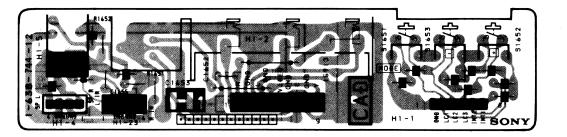
- Readings are taken with a color-bar signal input.
- Readings are taken with a $10M\Omega$ digital multimeter.
- Voltage are dc with respect to ground unless otherwise noted.
- Voltage varietions may be noted due to normal production
 telegrapees.
- All voltages are in V.
- Circuled numbers are waveform references.
- : B+ bus.
- signal path. (RF)



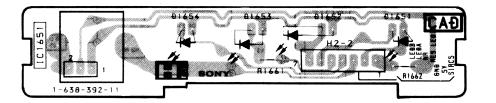




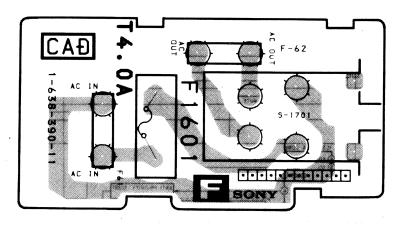
- H1 Board -



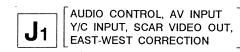
- H2 Board -



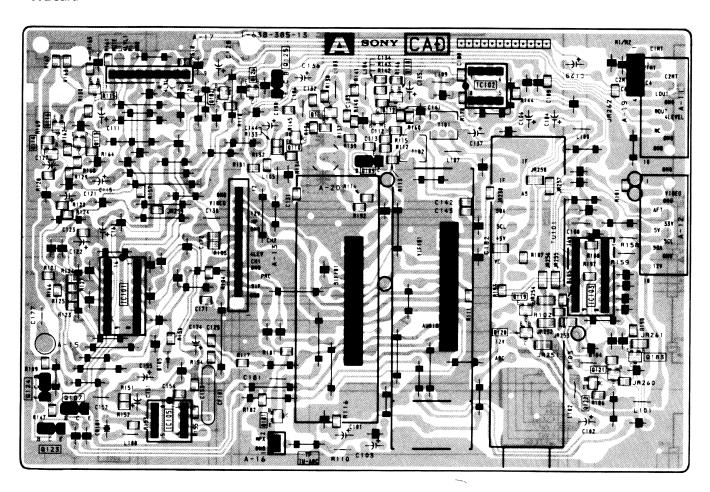
- F Board -



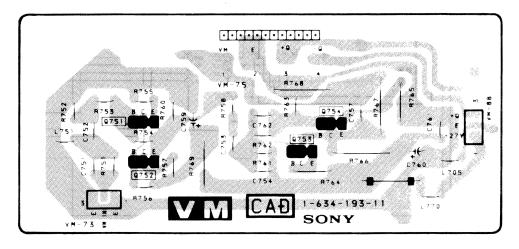




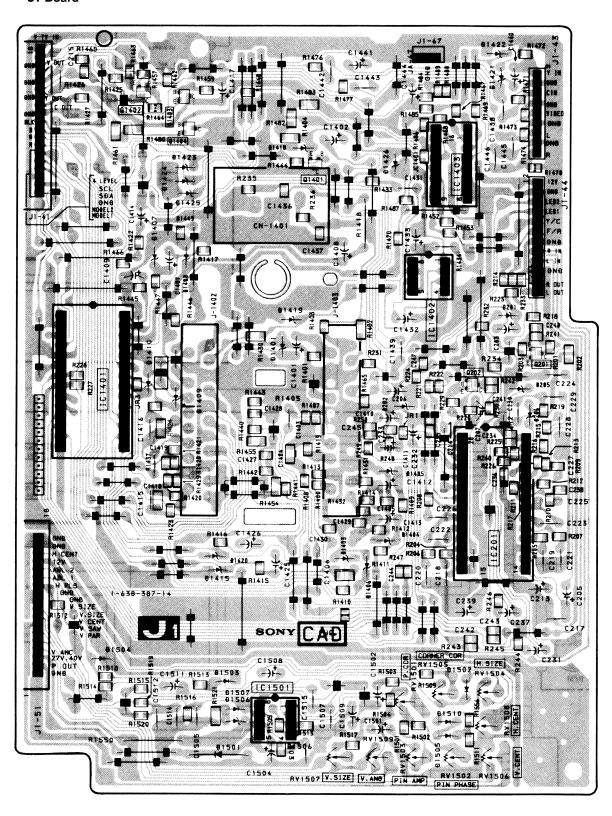
- A Board -

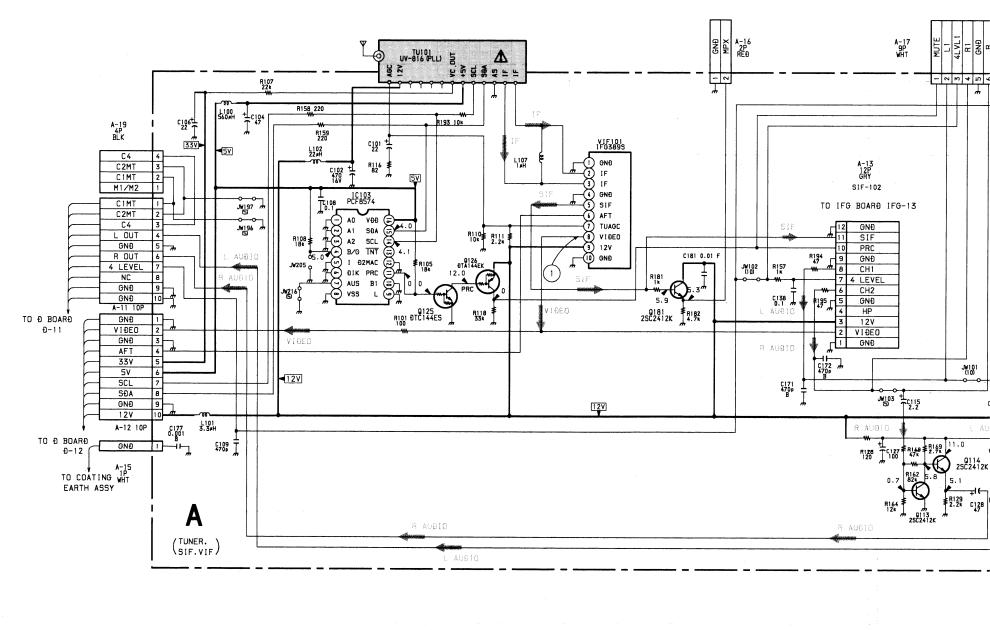


− VM Board − (29 inch only)



- J1 Board -





6

8

9

10

11

5

A BOARD WAVEFORM

В

C

D

Ε

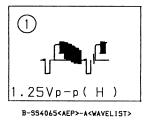
G

M

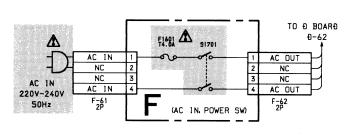
N

0

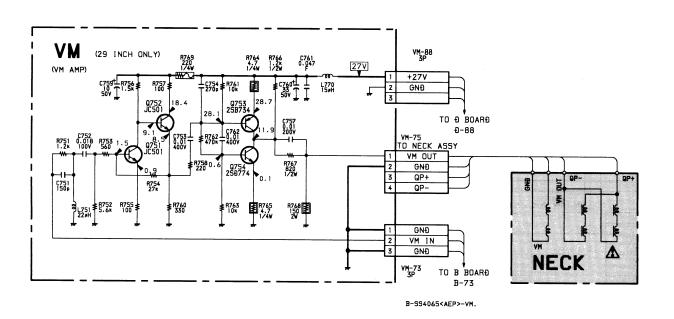
P



Board		
IC103	PCF8574	EXPANDER
Q113	2SC2412K	AUDIO AMP
Q114	2SC2412K	AUDIO AMP
Q115	2SC2412K	AUDIO AMP
Q116	2SC2412K	AUDIO AMP
Q125	DTC144ES	MUTE SW
Q126	DTA144EK	MUTE SW
Q181	2SC2412K	NICAM BUFFER

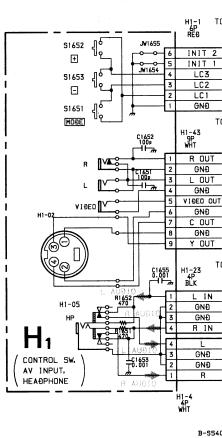


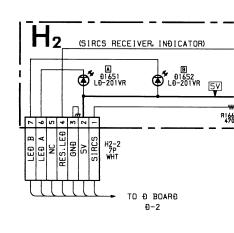
B-SS4065<AEP>-F..



VM Board

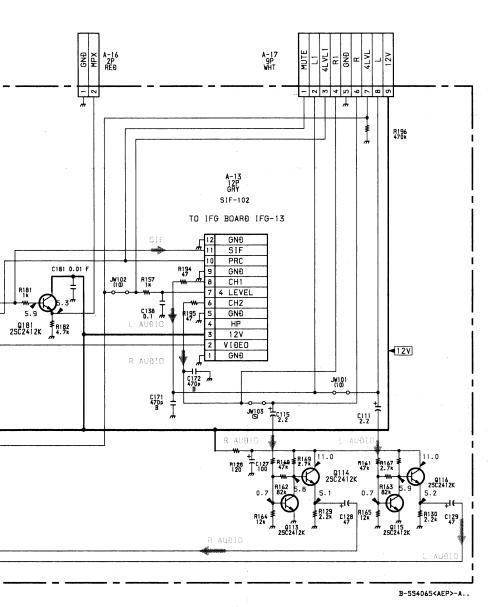
Q751	JC501	REF-AMP
Q752	JC501	REF-AMP
Q753	2SB734	PUSH-PULL OUT
Q754	2SB774	PUSH-PULL OUT

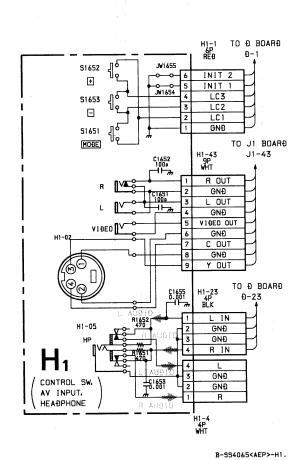


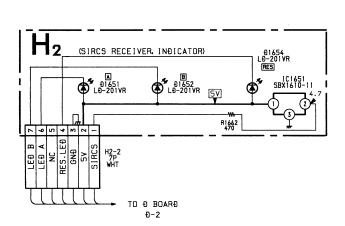


H2 Board

	T	
IC1651	SBX1610-11	INFRA
D1651	LD-201VR	AUDIO
D1652	LD-201VR	AUDIO
D1654	LD-201VR	RESET



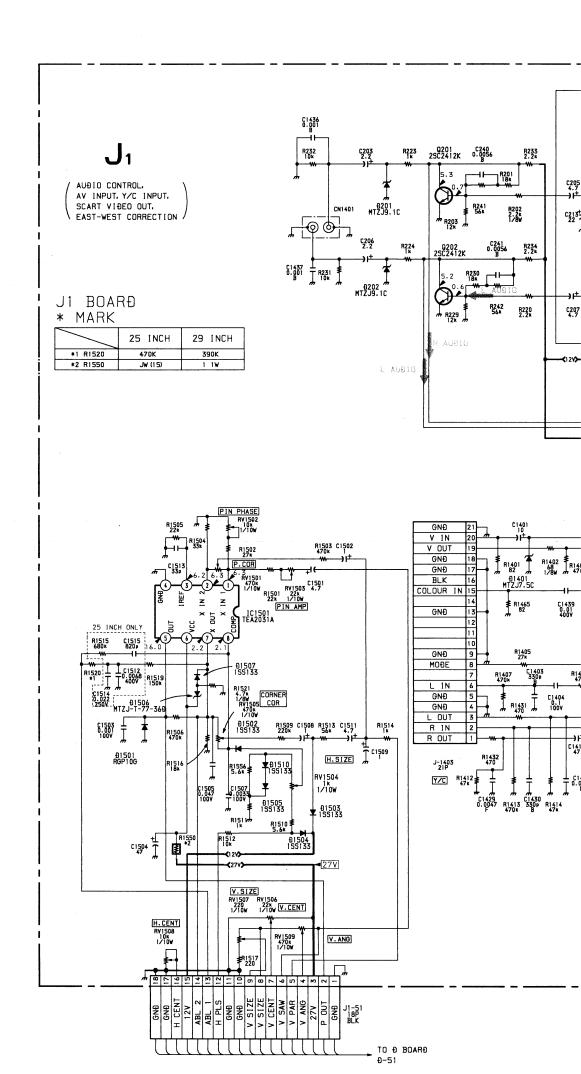


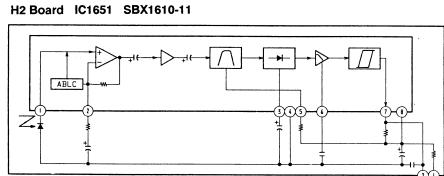


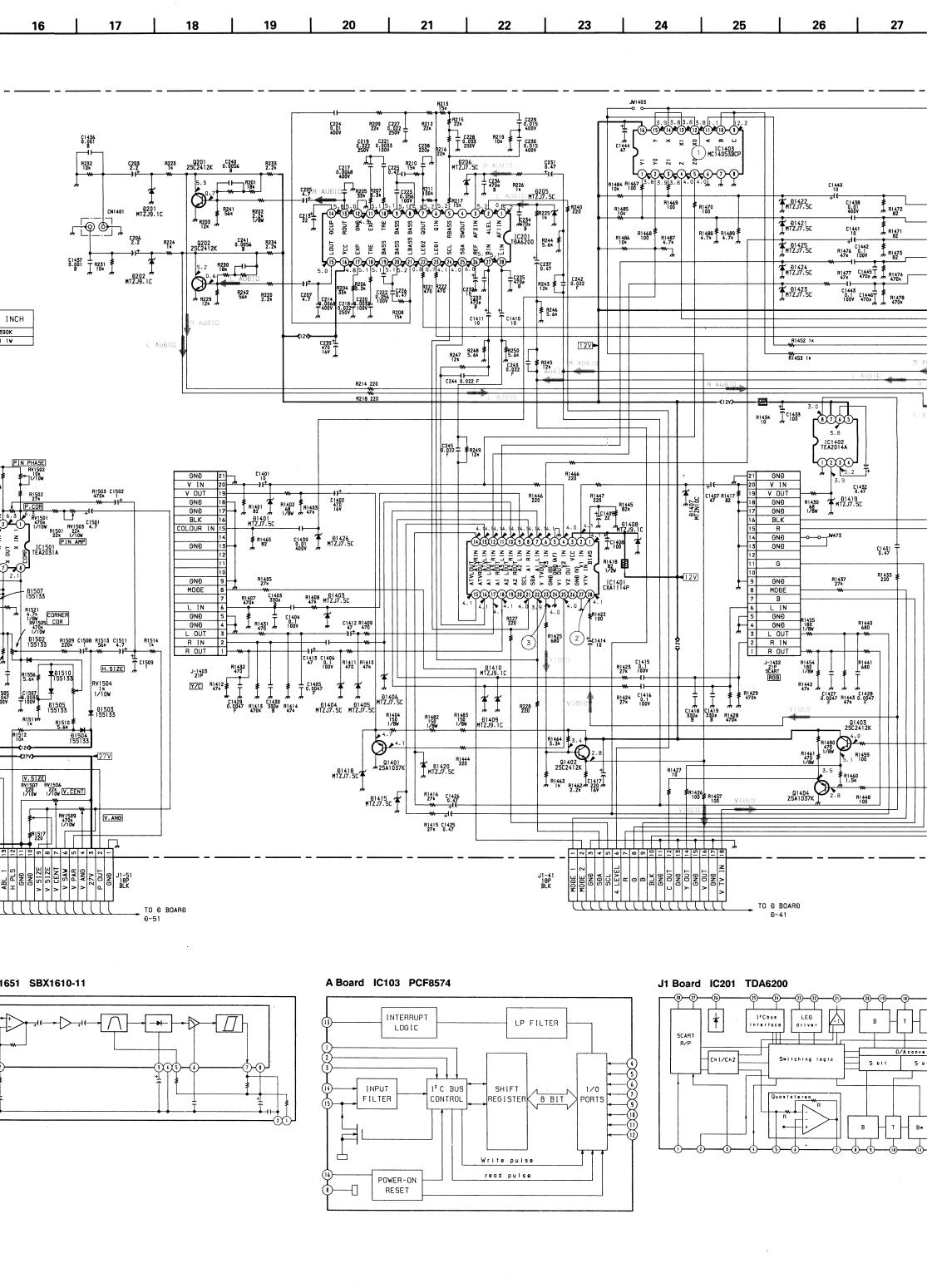
B-SS4065<AEP>-H2.

H2 Board

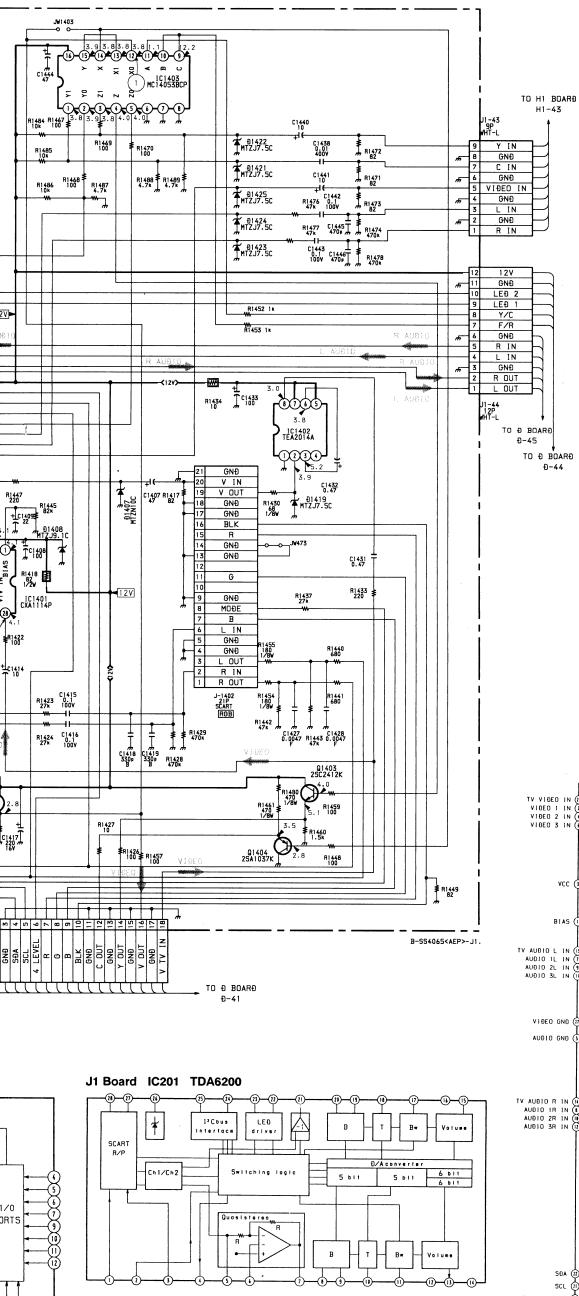
IC1651	SBX1610-11	INFRARED RECIEVER
D1651	LD-201VR	AUDIO CHANNEL A INDICATOR
D1652	LD-201VR	AUDIO CHANNEL B INDICATOR
D1654	LD-201VR	RESET







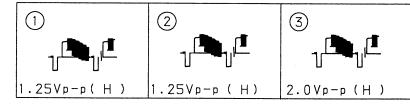
3 | 24 | 25 | 26 | 27 | 28 | 29



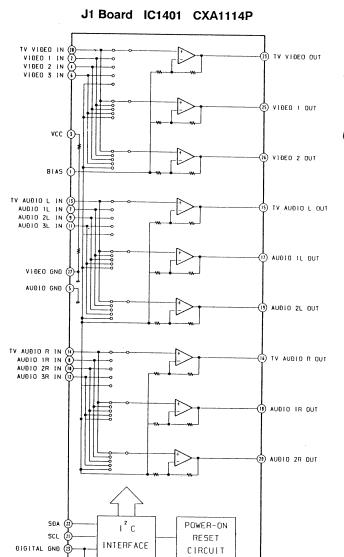
J1 Board

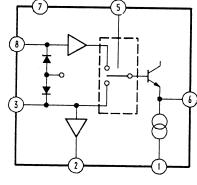
IC201	mpa 6200	AUDTO GOVERNOT	
	TDA6200	AUDIO CONTROL	
IC1401	CXA1114P	AV SW	
IC1402	TEA2014A	SCART VIDEO OUT	
IC1403	MC14053BCP	COMPOSITE Y/C SW	
IC1501	TEA2031A	EAST-WEST CORRECTION	
0201	2002410**	<u> </u>	
Q201	2SC2412K	AUDIO R BUFF	
Q202	2SC2412K	AUDIO L BUFF	
Q1401	2SA1037K	VIDEO OUT	
Q1402	2SC2412K	VIDEO OUT BUFF	
Q1403	2SC2412K	Y OUT BUFF	
Q1404	2SA1037K	C OUT BUFF	
D201	MTZJ9.1C	PROTECT	
D202	MTZJ9.1C	PROTECT	
D205	MTZJ7.5C	PROTECT	
D206	MTZJ7.5C	PROTECT	
D1401	MTZJ7.5C	PROTECT	
D1403	MTZJ7.5C	PROTECT	
D1404	MTZJ7.5C	PROTECT	
D1405	MTZJ7.5C	PROTECT	
D1406	MTZJ7.5C	PROTECT	
D1407	MTZJ10C	PROTECT	
D1408	MTZJ9.1C	REG	
D1409	MTZJ9.1C	PROTECT	
D1410	MTZJ9.1C	PROTECT	
D1415	MTZJ7.5C	PROTECT	
D1418	MTZJ7.5C	PROTECT	
D1419	MTZJ7.5C	PROTECT	
D1420	MTZJ7.5C	PROTECT	
D1421	MTZJ7.5C	PROTECT	
D1422	MTZJ7.5C	PROTECT	
D1423	MTZJ7.5C	PROTECT	
D1424	MTZJ7.5C	PROTECT	
D1425	MTZJ7.5C	PROTECT	
D1426	MTZJ7.5C	PROTECT	
D1501	RGP10G	PROTECT	
D1502	1SS133	DE COUPLING H SIZE	
D1503	1SS133	CLIPPING V PARABORA	
D1504	1SS133	CLIPPING H PULSE	
D1505	1SS133	REG	
D1506	MTZJ36D	PROTECT	
D1507	1SS133	PROTECT	
D1510	1SS133	REG	

J1 BOARD WAVEFORMS



B-SS4065<AEP>-J1<WAVELIST>

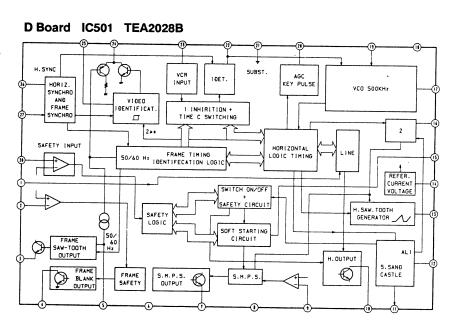


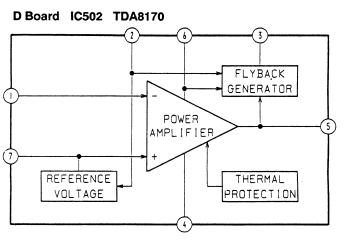


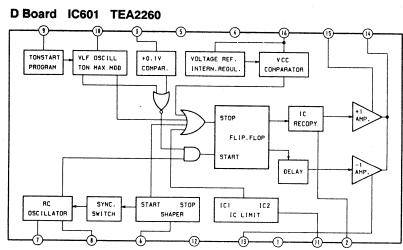
J1 Board IC1402 TEA2014A

J1 Board IC1501 TEA2031A

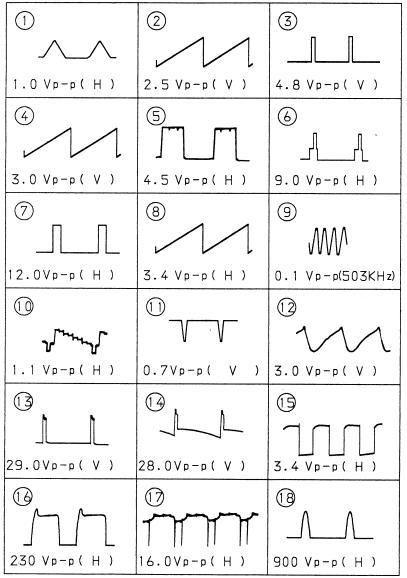
D Board IC251/IC261 TDA2050







D BOARD WAVEFORMS



B-994065<AEP>-0<WAVELIST>-1

19	20	2)
260Vp-p (H)	8.0Vp-p (V)	48.0Vp-p (V)
22	23	
Marry	M	
1.4Vp-p (H)	4.0 Vp-p(12MHz)	

B-554065<AEP>-0<WAVEL1ST>-2

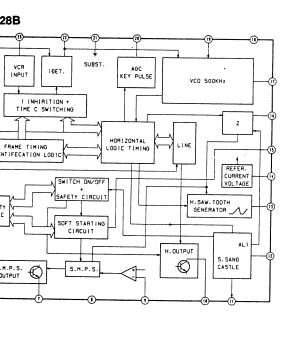
D Board		
IC001	SDA20560-A012	TUNING CTL
IC002	MC14051BCP	ON SCREEN DIS
IC003	BA4558	AFT COMPARATO
IC005	SDA2546	MY MEMORY
IC251	TDA2050	AUDIO OUT(L)
IC261 IC501	TDA2050 TEA2028B	AUDIO OUT(R) DEFLECTION PR
IC502	TDA8170	V OUT
IC601	TEA2260	PRIMARY SMRS
IC604	TEA7605	+5V REG
IC608	MC7812CT	+12V REG
Q001 Q002	DTC144EK DTC144EK	50/60Hz SW BLK SW
Q002	2SA1037-K	SYNC SEPARATO
Q004	2SA1037-K	SYNC SEPARATO
Q005	DTC144EK	Y/C SW
Q006	DTC144EK	FRONT/REAR SV
Q007 Q008	2SC2412-K 2SC2412-K	MODE 2 SWITCH MODE 1 SWITCH
Q009	2SC2412-K	MUTE SW
Q010	2SC2412-K	RESET
Q251	2SC2412-K	AUDIO MUTE
Q261	2SC2412-K	AUDIO MUTE
Q271 Q502	2SC2412-K 2SA1037-K	VOLTAGE DETEC
Q502 Q505	2SD774-4	CONSTANT CURI
Q506	2SB734-3	V CENT
Q507	2SA1037-K	CANAL +BLK
Q598	2SA1037-K	VIDEO AMP
Q601	2SD1357T114EF	STBY SW
Q602	2SD1548	REG OUT
Q603 Q604	2SB1357T114EF 2SA1037-K	STBY SW FAST ON/OFF
Q605	2SC2412-K	STBY SW
Q606	2SC2412-K	STBY SW
Q607	2SD2096	+12V REG
Q608	2SC2412K	STBY SW
Q609 Q801	2SD789-3 2SC2412-K	STBY SW
Q801 Q804	2SC2412-K 2SD1941-06	ABL AMP H OUT
Q805	2SC2688-L	H DRIVER
D001	MTZJ6.8C	
D002	MTZJ6.8C	
D003	1SS133 MTZJ5.6B	HUE CTL PROT
D006	MTZJ33A	VC VOLTAGE RE
D007	MTZJ3.9B	PLOT RESET
D009	MTZJ5.6B	CLIPPING SYNC
D010	MTZJ6.2B	PROT
D011 D012	MTZJ6.2B	PROT
D012	1SS133 MTZJ6.8C	PROT
D271	MTZJ13B	VOLTAGE DETEC
,		DECOUPLING MU
D271	1SS133	DECOULDING MC
D272 D501	1SS133	START
D272 D501 D504	1SS133 GP08D	START V PULSE OUT
D272 D501 D504 D508	1SS133 GP08D 1SS133	START V PULSE OUT CANAL +BLK LE
D272 D501 D504 D508 D509	1SS133 GP08D 1SS133 1SS133	V PULSE OUT CANAL +BLK LE V LIN
D272 D501 D504 D508	1SS133 GP08D 1SS133	START V PULSE OUT CANAL +BLK LE
D272 D501 D504 D508 D509 D511 D512 D513	1SS133 GP08D 1SS133 1SS133 GP08D GP08D MTZJ4.7B	START V PULSE OUT CANAL +BLK LE V LIN PROT PROT PROT
D272 D501 D504 D508 D509 D511 D512 D513 D514	1SS133 GP08D 1SS133 1SS133 GP08D GP08D MTZJ4.7B 1SS133	START V PULSE OUT CANAL +BLK LE V LIN PROT PROT PROT PROT PROT
D272 D501 D504 D508 D509 D511 D512 D513 D514 D515	1SS133 GP08D 1SS133 1SS133 GP08D GP08D MTZJ4.7B 1SS133 1SS133	START V PULSE OUT CANAL +BLK LE V LIN PROT PROT PROT PROT PROT PROT PROT
D272 D501 D504 D508 D509 D511 D512 D513 D514	1SS133 GP08D 1SS133 1SS133 GP08D GP08D MTZJ4.7B 1SS133	START V PULSE OUT CANAL +BLK LE V LIN PROT PROT PROT PROT PROT
D272 D501 D504 D508 D509 D511 D512 D513 D514 D515 D601 D602 D603	1SS133 GP08D 1SS133 1SS133 GP08D GP08D MTZJ4.7B 1SS133 1SS133 1SS133 D4SB60L-F RGP10G GP08D	START V PULSE OUT CANAL +BLK LE V LIN PROT PROT PROT PROT PROT AC RECT REF RECT SMPS DRIVE 1
D272 D501 D504 D508 D509 D511 D512 D513 D514 D515 D601 D602 D603 D604	1SS133 GP08D 1SS133 1SS133 GP08D GP08D MTZJ4.7B 1SS133 1SS133 D4SB60L-F RGP10G GP08D GP08D	V PULSE OUT CANAL +BLK LE V LIN PROT PROT PROT PROT PROT AC RECT REF RECT SMPS DRIVE 1 SMPS DRIVE 2
D272 D501 D504 D508 D509 D511 D512 D513 D514 D515 D601 D602 D603 D604 D605	1SS133 GP08D 1SS133 1SS133 GP08D GP08D MTZJ4.7B 1SS133 1SS133 D4SB60L-F RGP10G GP08D GP08D GP08D	V PULSE OUT CANAL +BLK LE V LIN PROT PROT PROT PROT PROT PROT PROT STREF RECT SMPS DRIVE 1 SMPS DRIVE 2 SMPS DRIVE 3
D272 D501 D504 D508 D509 D511 D512 D513 D514 D515 D601 D602 D603 D604 D605 D606	1SS133 GP08D 1SS133 1SS133 GP08D GP08D MTZJ4.7B 1SS133 1SS133 D4SB60L-F RGP10G GP08D GP08D GP08D GP08D	V PULSE OUT CANAL +BLK LE V LIN PROT PROT PROT PROT PROT PROT STREET AC RECT SMPS DRIVE 1 SMPS DRIVE 2 SMPS DRIVE 3 +12V RECT
D272 D501 D504 D508 D509 D511 D512 D513 D514 D515 D601 D602 D603 D604 D605	1SS133 GP08D 1SS133 1SS133 GP08D GP08D MTZJ4.7B 1SS133 1SS133 D4SB60L-F RGP10G GP08D GP08D GP08D	START V PULSE OUT CANAL +BLK LE V LIN PROT PROT PROT PROT AC RECT REF RECT SMPS DRIVE 1 SMPS DRIVE 2 SMPS DRIVE 3 +12V RECT REF RECT REF RECT
D272 D501 D504 D508 D509 D511 D512 D513 D514 D502 D603 D604 D605 D606 D607 D608 D609	1SS133 GP08D 1SS133 1SS133 GP08D GP08D MTZJ4.7B 1SS133 1SS133 D4SB60L-F RGP10G GP08D GP08D GP08D GP08D GP08D GP10G RGP10G RGP10G RGP10G RGP10G	V PULSE OUT CANAL +BLK LE V LIN PROT PROT PROT PROT PROT AC RECT REF RECT SMPS DRIVE 1 SMPS DRIVE 2 SMPS DRIVE 3 +12V RECT REF RECT PLUSE CLIPPER FAST ON/OFF
D272 D501 D504 D508 D509 D511 D512 D513 D514 D502 D603 D604 D605 D606 D607 D608 D609 D610	1SS133 GP08D 1SS133 1SS133 GP08D GP08D MTZJ4.7B 1SS133 1SS133 D4SB60L-F RGP10G GP08D GP08D GP08D GP08D GP08D GP10G RGP10G RGP10G RGP10G RGP10G	V PULSE OUT CANAL +BLK LE V LIN PROT PROT PROT PROT PROT AC RECT REF RECT SMPS DRIVE 1 SMPS DRIVE 2 SMPS DRIVE 3 +12V RECT REF RECT PLUSE CLIPPER FAST ON/OFF +14V RECT
D272 D501 D504 D508 D509 D511 D512 D513 D514 D515 D601 D602 D603 D604 D605 D606 D607 D608 D609 D610	1SS133 GP08D 1SS133 1SS133 GP08D GP08D MTZJ4.7B 1SS133 1SS133 D4SB60L-F RGP10G GP08D GP08D GP08D GP08D GP08D GP10G RGP10G RGP10G ERC25-06S MTZJ33A CTU-12S ERD29-08J	START V PULSE OUT CANAL +BLK LE V LIN PROT PROT PROT PROT PROT AC RECT REF RECT SMPS DRIVE 1 SMPS DRIVE 2 SMPS DRIVE 3 +12V RECT REF RECT PLUSE CLIPPER FAST ON/OFF +14V RECT +135V RECT
D272 D501 D504 D508 D509 D511 D512 D513 D514 D515 D601 D602 D603 D604 D605 D606 D607 D608 D609 D610 D611 D612	1SS133 GP08D 1SS133 1SS133 GP08D GP08D MTZJ4.7B 1SS133 1SS133 D4SB60L-F RGP10G GP08D GP08D GP08D GP08D GP08D GP10G RGP10G RGP10G ERC25-06S MTZJ33A CTU-12S ERD29-08J CTU-12S	START V PULSE OUT CANAL +BLK LE V LIN PROT PROT PROT PROT AC RECT REF RECT SMPS DRIVE 1 SMPS DRIVE 2 SMPS DRIVE 3 +12V RECT REF RECT PLUSE CLIPPER FAST ON/OFF +14V RECT +135V RECT +7V RECT
D272 D501 D504 D508 D509 D511 D512 D513 D514 D515 D601 D602 D603 D604 D605 D606 D607 D608 D609 D610	1SS133 GP08D 1SS133 1SS133 GP08D GP08D MTZJ4.7B 1SS133 1SS133 D4SB60L-F RGP10G GP08D GP08D GP08D GP08D GP08D GP10G RGP10G RGP10G ERC25-06S MTZJ33A CTU-12S ERD29-08J	START V PULSE OUT CANAL +BLK LE V LIN PROT PROT PROT PROT PROT AC RECT REF RECT SMPS DRIVE 1 SMPS DRIVE 2 SMPS DRIVE 3 +12V RECT REF RECT PLUSE CLIPPER FAST ON/OFF +14V RECT +135V RECT +7V RECT AF V RECT-1
D272 D501 D504 D508 D509 D511 D512 D513 D514 D502 D603 D604 D605 D606 D607 D608 D609 D610 D611 D612 D613 D614 D616	1SS133 GP08D 1SS133 1SS133 GP08D GP08D MTZJ4.7B 1SS133 1SS133 D4SB60L-F RGP10G GP08D GP08D GP08D GP08D GP08D GP10G RGP10G RGP10G ERC25-06S MTZJ33A CTU-12S ERD29-08J CTU-12S RGP15J	START V PULSE OUT CANAL +BLK LE V LIN PROT PROT PROT PROT AC RECT REF RECT SMPS DRIVE 1 SMPS DRIVE 2 SMPS DRIVE 3 +12V RECT REF RECT PLUSE CLIPPER FAST ON/OFF +14V RECT +135V RECT +7V RECT
D272 D501 D504 D508 D509 D511 D512 D513 D514 D502 D603 D604 D605 D606 D607 D608 D609 D610 D611 D612 D613 D614 D616 D617	1SS133 GP08D 1SS133 1SS133 GP08D GP08D MTZJ4.7B 1SS133 1SS133 D4SB60L-F RGP10G GP08D GP08D GP08D GP08D GP08D CTU-12S ERD29-08J CTU-12S RGP15J RGP15J MTZJ6.2B	V PULSE OUT CANAL +BLK LE V LIN PROT PROT PROT PROT PROT AC RECT REF RECT SMPS DRIVE 1 SMPS DRIVE 2 SMPS DRIVE 3 +12V RECT REF RECT PLUSE CLIPPEF FAST ON/OFF +14V RECT +135V RECT +7V RECT AF V RECT-1 AF V RECT-2 +12V REG PROT
D272 D501 D504 D508 D509 D511 D512 D513 D514 D515 D601 D602 D603 D604 D605 D606 D607 D608 D609 D610 D611 D612 D613 D614 D616 D617 D618	1SS133 GP08D 1SS133 1SS133 GP08D GP08D MTZJ4.7B 1SS133 1SS133 D4SB60L-F RGP10G GP08D GP08D GP08D GP08D GP08D CF08D GP10G RGP10G RGP10G ERC25-06S MTZJ33A CTU-12S ERD29-08J CTU-12S RGP15J RGP15J MTZJ6.2B 1SS133 MTZJ5.6B	START V PULSE OUT CANAL +BLK LE V LIN PROT PROT PROT PROT AC RECT REF RECT SMPS DRIVE 1 SMPS DRIVE 3 +12V RECT REF RECT PLUSE CLIPPER FAST ON/OFF +14V RECT +135V RECT +7V RECT AF V RECT-1 AF V RECT-2 +12V RE PROT PROT PLUSE CLIPPER FAST ON/OFF +14V RECT
D272 D501 D504 D508 D509 D511 D512 D513 D514 D515 D601 D602 D603 D604 D605 D606 D607 D608 D609 D610 D611 D612 D613 D614 D616 D617 D618 D619	1SS133 GP08D 1SS133 1SS133 1SS133 GP08D MTZJ4.7B 1SS133 1SS133 D4SB60L-F RGP10G GP08D GP08D GP08D GP08D GP08D CTU-12S ERD29-08J CTU-12S ERD29-08J CTU-12S RGP15J RGP15J RGP15J MTZJ6.2B 1SS133 MTZJ5.6B MTZJ33A	START V PULSE OUT CANAL +BLK LE V LIN PROT PROT PROT PROT AC RECT REF RECT SMPS DRIVE 1 SMPS DRIVE 2 SMPS DRIVE 2 SMPS DRIVE 3 +12V RECT REF RECT PLUSE CLIPPER FAST ON/OFF +14V RECT +135V RECT +7V RECT AF V RECT-1 AF V RECT-2 +12V REG PROT +12V REF FAST ON/OFF-2
D272 D501 D504 D508 D509 D511 D512 D513 D514 D515 D601 D602 D603 D604 D605 D606 D607 D608 D609 D610 D611 D612 D613 D614 D616 D617 D618 D619 D620	1SS133 GP08D 1SS133 1SS133 GP08D GP08D MTZJ4.7B 1SS133 1SS133 D4SB60L-F RGP10G GP08D GP08D GP08D GP08D GP08D GP08D RGP10G ERC25-06S MTZJ33A CTU-12S ERD29-08J CTU-12S RGP15J RGP15J RGP15J MTZJ6.2B 1SS133 MTZJ5.6B MTZJ33A DA204K	START V PULSE OUT CANAL +BLK LE V LIN PROT PROT PROT PROT PROT AC RECT REF RECT SMPS DRIVE 1 SMPS DRIVE 2 SMPS DRIVE 3 +12V RECT REF RECT PLUSE CLIPPER FAST ON/OFF +14V RECT +135V RECT +7V RECT AF V RECT-1 AF V RECT-1 AF V RECT-2 +12V REG PROT +12V REF FAST ON/OFF-2 +12V REF
D272 D501 D504 D508 D509 D511 D512 D513 D514 D515 D601 D602 D603 D604 D605 D606 D607 D608 D609 D610 D611 D612 D613 D614 D616 D617 D618 D619 D620 D621 D620	1SS133 GP08D 1SS133 1SS133 1SS133 GP08D MTZJ4.7B 1SS133 1SS133 D4SB60L-F RGP10G GP08D GP08D GP08D GP08D GP08D CTU-12S ERD29-08J CTU-12S ERD29-08J CTU-12S RGP15J RGP15J RGP15J MTZJ6.2B 1SS133 MTZJ5.6B MTZJ33A	V PULSE OUT CANAL +BLK LE V LIN PROT PROT PROT PROT AC RECT REF RECT SMPS DRIVE 1 SMPS DRIVE 2 SMPS DRIVE 3 +12V RECT REF RECT PLUSE CLIPPEF FAST ON/OFF +14V RECT AF V RECT AF V RECT-1 AF V RECT-2 +12V REG PROT +12V REF FAST ON/OFF-2 +12V REF FAST ON/OFF-3 PROT
D272 D501 D504 D508 D509 D511 D512 D513 D514 D515 D601 D602 D603 D604 D605 D606 D607 D608 D609 D610 D611 D612 D613 D614 D616 D617 D618 D619 D620 D621 D622 D623	1SS133 GP08D 1SS133 1SS133 GP08D GP08D GP08D MTZJ4.7B 1SS133 1SS133 D4SB60L-F RGP10G GP08D GP08D GP08D GP08D GP08D GP10G ERC25-06S MTZJ33A CTU-12S ERD29-08J CTU-12S ERD29-08J CTU-12S RGP15J RGP15J RGP15J MTZJ36.2B 1SS133 MTZJ5.6B MTZJ33A DA204K MTZJ33A 1SS133	V PULSE OUT CANAL +BLK LE V LIN PROT PROT PROT PROT AC RECT REF RECT SMPS DRIVE 1 SMPS DRIVE 2 SMPS DRIVE 3 +12V RECT REF RECT PLUSE CLIPPEF FAST ON/OFF +14V RECT AF V RECT AF V RECT-1 AF V RECT-2 +12V REG PROT +12V REF FAST ON/OFF-2 +12V REF FAST ON/OFF-3 PROT DECOUPLING ST
D272 D501 D504 D508 D509 D511 D512 D513 D514 D515 D601 D602 D603 D604 D605 D606 D607 D608 D609 D610 D611 D612 D613 D614 D616 D617 D618 D619 D620 D621 D622 D623 D624	1SS133 GP08D 1SS133 1SS133 GP08D GP08D MTZJ4.7B 1SS133 D4SB60L-F RGP10G GP08D GP08D GP08D GP08D GP08D CFU-12S ERD29-08J CTU-12S ERD29-08J CTU-12S RGP15J RGP15J MTZJ5.6B MTZJ33A DA204K MTZJ33A DA204K MTZJ33A 1SS133 1SS133	START V PULSE OUT CANAL +BLK LE V LIN PROT PROT PROT PROT AC RECT REF RECT SMPS DRIVE 1 SMPS DRIVE 3 +12V RECT REF RECT PLUSE CLIPPER FAST ON/OFF +14V RECT +135V RECT +7V RECT AF V RECT-1 AF V RECT-2 +12V RE FAST ON/OFF-2 +12V REF FAST ON/OFF-3 PROT
D272 D501 D504 D508 D509 D511 D512 D513 D514 D515 D601 D602 D603 D604 D605 D606 D607 D608 D609 D610 D611 D612 D613 D614 D616 D617 D618 D619 D620 D621 D622 D623 D624 D630	1SS133 GP08D 1SS133 1SS133 GP08D GP08D GP08D MTZJ4.7B 1SS133 1SS133 D4SB60L-F RGP10G GP08D GP08D GP08D GP08D GP08D RGP10G RTJ33A CTU-12S ERD29-08J CTU-12S RGP15J RGP15J RGP15J MTZJ6.2B 1SS133 MTZJ5.6B MTZJ33A DA204K MTZJ33A 1SS133 1SS133 MTZJ15A	START V PULSE OUT CANAL +BLK LE V LIN PROT PROT PROT PROT PROT AC RECT REF RECT SMPS DRIVE 1 SMPS DRIVE 2 SMPS DRIVE 3 +12V RECT PLUSE CLIPPER FAST ON/OFF +14V RECT +135V RECT AF V RECT-1 AF V RECT-1 AF V RECT-2 +12V REG PROT +12V REF FAST ON/OFF-2 +12V REF FAST ON/OFF-3 PROT DECOUPLING ST DECOUPLING DT +12V RECT
D272 D501 D504 D508 D509 D511 D512 D513 D514 D515 D601 D602 D603 D604 D605 D606 D607 D608 D609 D610 D611 D612 D613 D614 D616 D617 D618 D619 D620 D621 D622 D623 D624 D630 D801	1SS133 GP08D 1SS133 1SS133 GP08D GP08D GP08D MTZJ4.7B 1SS133 1SS133 1SS133 D4SB60L-F RGP10G GP08D GP08D GP08D GP08D GP08D GP08D CTU-12S ERC25-06S MTZJ33A CTU-12S ERD29-08J CTU-12S RGP15J RGP15J RGP15J MTZJ6.2B 1SS133 MTZJ5.6B MTZJ33A DA204K MTZJ33A 1SS133 1SS133 1SS133 MTZJ15A RGP10G	START V PULSE OUT CANAL +BLK LE V LIN PROT PROT PROT PROT PROT AC RECT REF RECT SMPS DRIVE 1 SMPS DRIVE 2 SMPS DRIVE 2 SMPS DRIVE 3 +12V RECT REF RECT PLUSE CLIPPER FAST ON/OFF +14V RECT +135V RECT -135V RECT -147V RECT AF V RECT-1 AF V RECT-2 +12V REG PROT +12V REF FAST ON/OFF-2 +12V REF FAST ON/OFF-3 PROT DECOUPLING ST DECOUPLING DT +12V RECT +12V RECT -12V RECT -12V RECT -12V REF -12V RECT -12V RECT -12V RECT -12V RECT -12V RECT -12V RECT
D272 D501 D504 D508 D509 D511 D512 D513 D514 D515 D601 D602 D603 D604 D605 D606 D607 D608 D609 D610 D611 D612 D613 D614 D616 D617 D618 D619 D620 D621 D622 D623 D624 D630	1SS133 GP08D 1SS133 1SS133 GP08D GP08D GP08D MTZJ4.7B 1SS133 1SS133 D4SB60L-F RGP10G GP08D GP08D GP08D GP08D GP08D RGP10G RTJ33A CTU-12S ERD29-08J CTU-12S RGP15J RGP15J RGP15J MTZJ6.2B 1SS133 MTZJ5.6B MTZJ33A DA204K MTZJ33A 1SS133 1SS133 MTZJ15A	START V PULSE OUT CANAL +BLK LE V LIN PROT PROT PROT PROT PROT AC RECT REF RECT SMPS DRIVE 1 SMPS DRIVE 2 SMPS DRIVE 3 +12V RECT PLUSE CLIPPER FAST ON/OFF +14V RECT +135V RECT AF V RECT-1 AF V RECT-1 AF V RECT-2 +12V REG PROT +12V REF FAST ON/OFF-2 +12V REF FAST ON/OFF-3 PROT DECOUPLING ST DECOUPLING DT +12V RECT
D272 D501 D504 D508 D509 D511 D512 D513 D514 D515 D601 D602 D603 D604 D605 D606 D607 D608 D609 D610 D611 D612 D613 D614 D616 D617 D618 D619 D620 D621 D620 D621 D620 D621 D620 D621 D620 D621 D622 D623 D624 D630 D801 D801 D802 D803 D804	1SS133 GP08D 1SS133 1SS133 1SS133 GP08D MTZJ4.7B 1SS133 1SS133 D4SB60L-F RGP10G GP08D GP08D GP08D GP08D GP08D CF08D GP10G RGP10G ERC25-06S MTZJ33A CTU-12S ERD29-08J CTU-12S ERD29-08J CTU-12S RGP15J RGP15J RGP15J MTZJ6.2B 1SS133 MTZJ5.6B MTZJ33A DA204K MTZJ33A DA204K MTZJ33A 1SS133 1SS133 1SS133 1SS133 1SS133 1SS133 RGP10G RGP10G RGP10G RGP10G RGP10G RGP10G RGP10G	START V PULSE OUT CANAL +BLK LE V LIN PROT PROT PROT PROT PROT AC RECT REF RECT SMPS DRIVE 1 SMPS DRIVE 2 SMPS DRIVE 3 +12V RECT PLUSE CLIPPER FAST ON/OFF +14V RECT +135V RECT +7V RECT AF V RECT-1 AF V RECT-2 +12V RE FAST ON/OFF-2 +12V REF FAST ON/OFF-3 PROT DECOUPLING ST DECOUPLING DT +12V RECT +27V RECT
D272 D501 D504 D508 D509 D511 D512 D513 D514 D515 D601 D602 D603 D606 D607 D608 D607 D608 D609 D610 D611 D612 D613 D614 D616 D617 D618 D619 D620 D622 D623 D624 D630 D801 D802 D803	1SS133 GP08D 1SS133 1SS133 GP08D GP08D GP08D MTZJ4.7B 1SS133 1SS133 D4SB60L-F RGP10G GP08D GP08D GP08D GP08D GP08D GP10G RGP10G ERC25-06S MTZJ33A CTU-12S ERD29-08J CTU-12S RGP15J RGP15J RGP15J RGP15J MTZJ6.2B 1SS133 MTZJ5.6B MTZJ33A DA204K MTZJ33A 1SS133 1SS133 1SS133 MTZJ15A RGP10G RGP10G RGP10G RGP10G RGP10G RGP10G RGP10G RGP10G RGP10G	V PULSE OUT CANAL +BLK LE V LIN PROT PROT PROT PROT AC RECT REF RECT SMPS DRIVE 1 SMPS DRIVE 2 SMPS DRIVE 3 +12V RECT FAST ON/OFF +14V RECT +135V RECT +7V RECT AF V RECT-1 AF V RECT-2 +12V REG PROT +12V REF FAST ON/OFF-2 +12V REF FAST ON/OFF-3 PROT DECOUPLING ST DECOUPLING DT +12V RECT +27V RECT +27V RECT +200V RECT +200V RECT G2 RECT

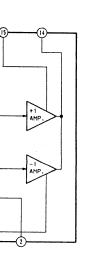
D807 D808

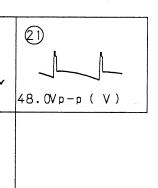
ERC06-15S

ERD29-08J

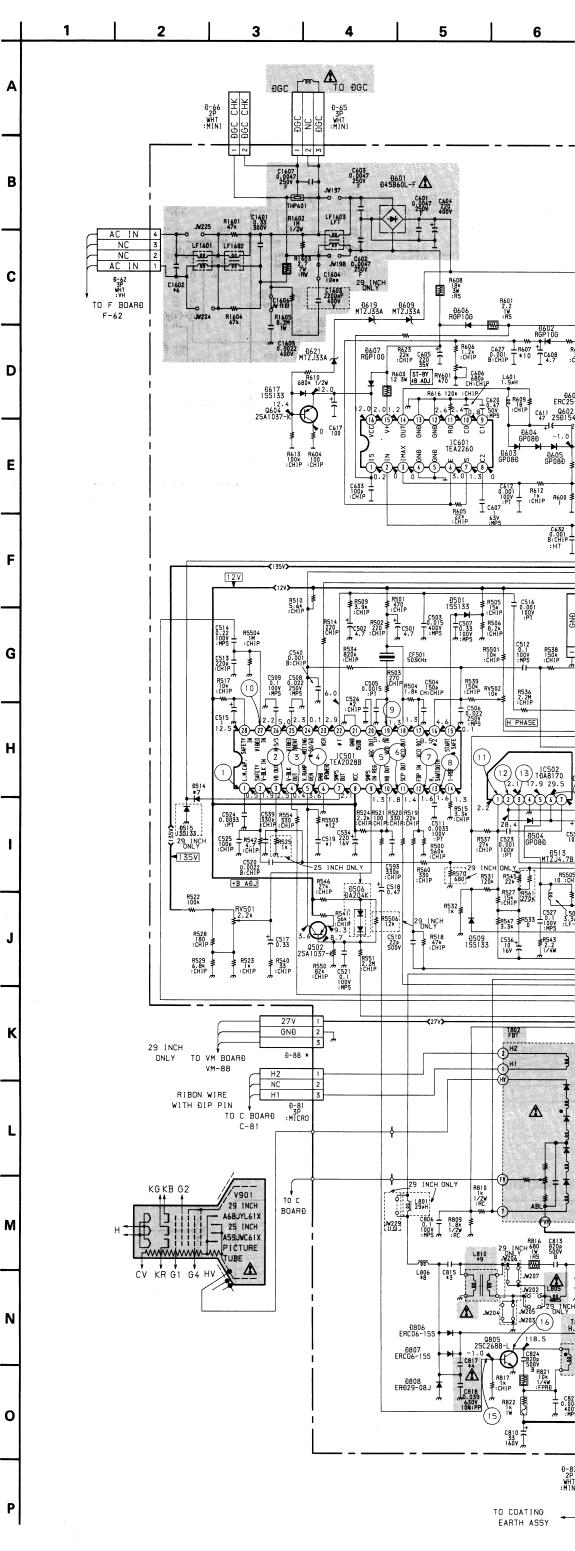
H DAMPER-2

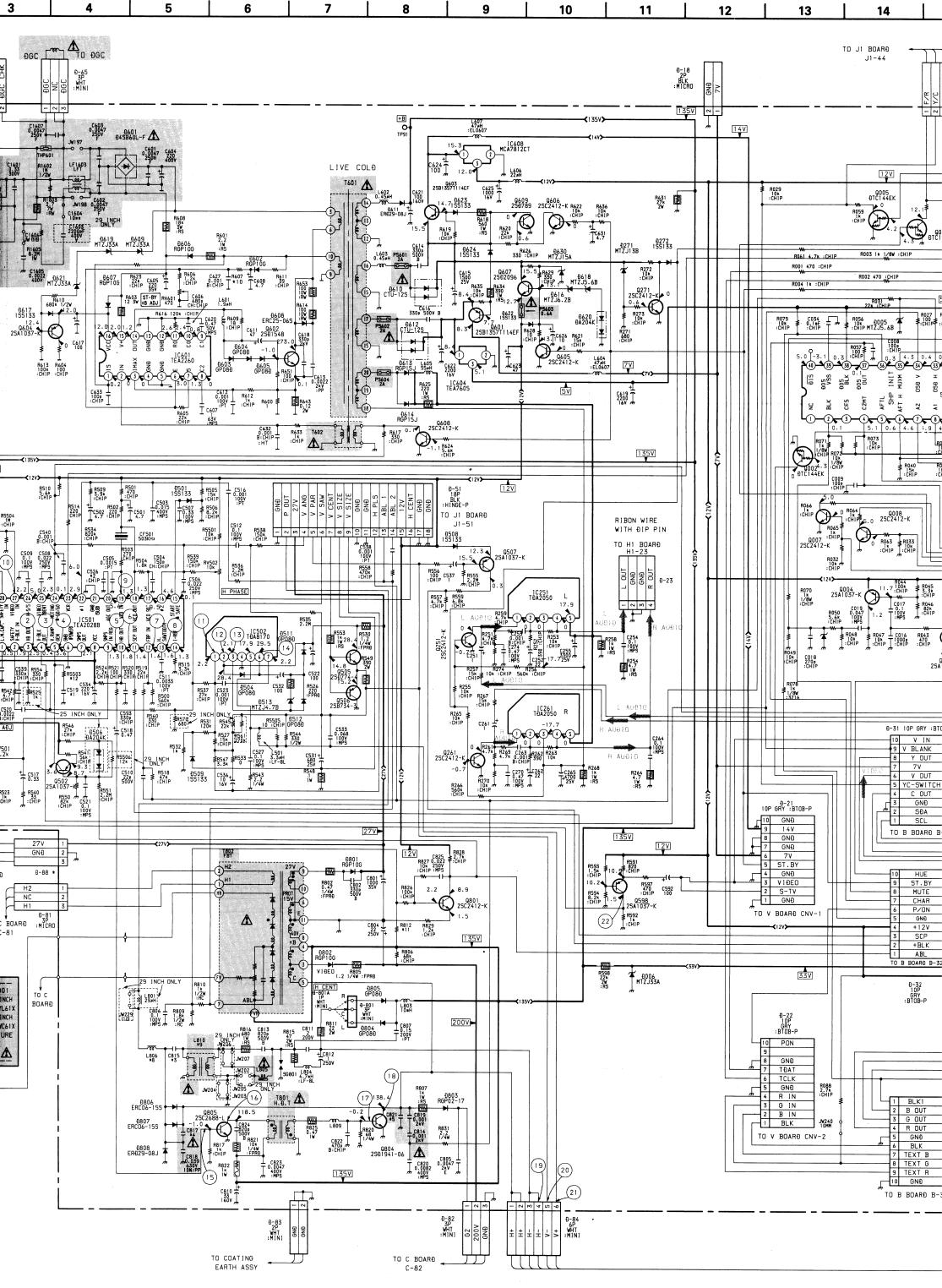


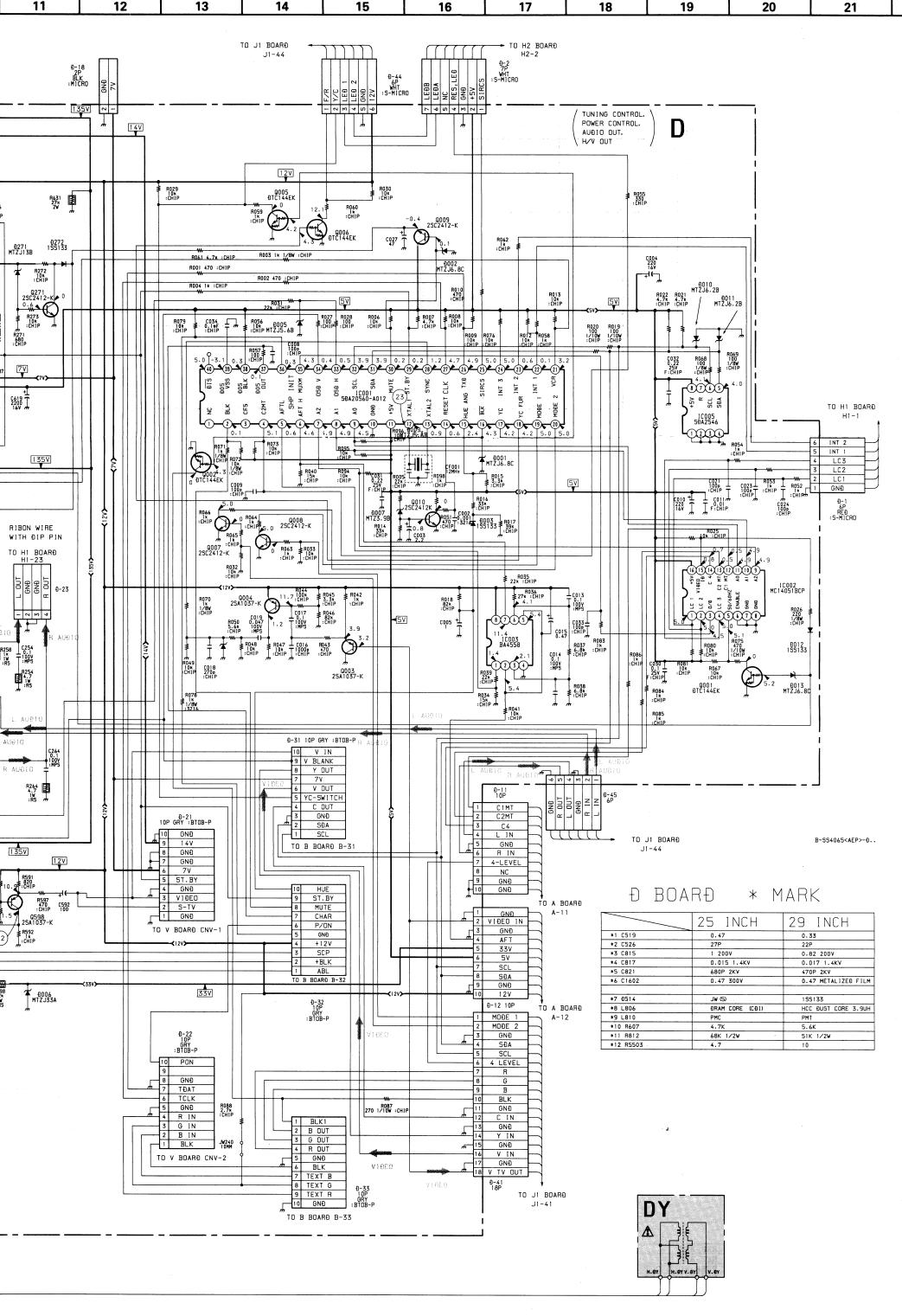




IC001	CDAROLECO MOTO	TUNING CT		
IC001	SDA20560-A012 MC14051BCP	TUNING CTL ON SCREEN DISPLAY		
IC003	BA4558	AFT COMPARATOR		
IC005	SDA2546	MY MEMORY AUDIO OUT(L)		
IC251 IC261	TDA2050 TDA2050	AUDIO OUT(L) AUDIO OUT(R)		
IC501	TEA2028B	DEFLECTION PROCESSOR		
IC502	TDA8170	V OUT		
IC601 IC604	TEA2260 TEA7605	PRIMARY SMRS CTL +5V REG		
IC608	MC7812CT	+12V REG		
Q001 Q002	DTC144EK DTC144EK	50/60Hz SW BLK SW		
2002	2SA1037-K	SYNC SEPARATOR		
2004	2SA1037-K	SYNC SEPARATOR		
2005	DTC144EK DTC144EK	Y/C SW		
2006 2007	2SC2412-K	FRONT/REAR SW MODE 2 SWITCH		
2008	2SC2412-K	MODE 1 SWITCH		
2009	2SC2412-K	MUTE SW		
2010 2251	2SC2412-K 2SC2412-K	RESET AUDIO MUTE		
2261	2SC2412-K	AUDIO MUTE		
2271	2SC2412-K	VOLTAGE DETECT		
2502 2505	2SA1037-K 2SD774-4	V CENT		
2506	2SB734-3	V CENT		
2507	2SA1037-K	CANAL +BLK		
2598 2601	2SA1037-K 2SD1357T114EF	VIDEO AMP STBY SW		
2602	2SD13571114EF 2SD1548	REG OUT		
2603	2SB1357T114EF	STBY SW		
2604	2SA1037-K	FAST ON/OFF		
2605 2606	2SC2412-K 2SC2412-K	STBY SW STBY SW		
2607	2SD2096	+12V REG		
2608	2SC2412K	STBY SW		
2609	2SD789-3	STBY SW		
2801 2804	2SC2412-K 2SD1941-06	ABL AMP H OUT		
2805	2SC2688-L	H DRIVER		
0001	MTZJ6.8C			
0002	MTZJ6.8C 1SS133	HUE CTL		
0005	MTZJ5.6B	PROT		
0006	MTZJ33A	VC VOLTAGE REGULATION		
0007	MTZJ3.9B	PLOT RESET		
0009	MTZJ5.6B MTZJ6.2B	CLIPPING SYNC LEVEL PROT		
0011	MTZJ6.2B	PROT		
012	1SS133	PROT		
0013	MTZJ6.8C	PROT		
0271 0272	MTZJ13B 1SS133	VOLTAGE DETECT DECOUPLING MUTE AUDIO		
0501	1SS133	START NOTE AND IN		
0504	GP08D	V PULSE OUT		
0508 0508	1SS133	CANAL +BLK LEVEL		
0509 0511	1SS133 GP08D	V LIN PROT		
0512	GP08D	PROT		
0513	MTZJ4.7B	PROT		
0514 0515	1SS133 1SS133	PROT		
0601	D4SB60L-F	AC RECT		
0602	RGP10G	REF RECT		
0603 0604	GP08D	SMPS DRIVE 1		
0604 0605	GP08D GP08D	SMPS DRIVE 2 SMPS DRIVE 3		
0606	RGP10G	+12V RECT		
0607	RGP10G	REF RECT		
0608	ERC25-06S	PLUSE CLIPPER		
0610	MTZJ33A CTU-12S	FAST ON/OFF +14V RECT		
0611	ERD29-08J	+135V RECT		
0612	CTU-12S	+7V RECT		
0613 0614	RGP15J	AF V RECT-1		
0616	RGP15J MTZJ6.2B	AF V RECT-2 +12V REG		
0617	1SS133	PROT		
0618	MTZJ5.6B	+12V REF		
0619	MTZJ33A DA204K	FAST ON/OFF-2		
0620	MTZJ33A	+12V REF FAST ON/OFF-3		
0622	1SS133	PROT		
0623	1SS133	DECOUPLING STBY		
0624	1SS133 MTZJ15A	DECOUPLING DTBY		
0801	RGP10G	+12V RECT +27V RECT		
0802	RGP10G	+200V RECT		
0803	RGP02-17	G2 RECT		
0804 0805	GP08D GP08D	H CENTER-1		
0806	ERC06-15S	H CENTER-2 H DAMPER-1		
807	ERC06-15S	H DAMPER-2		

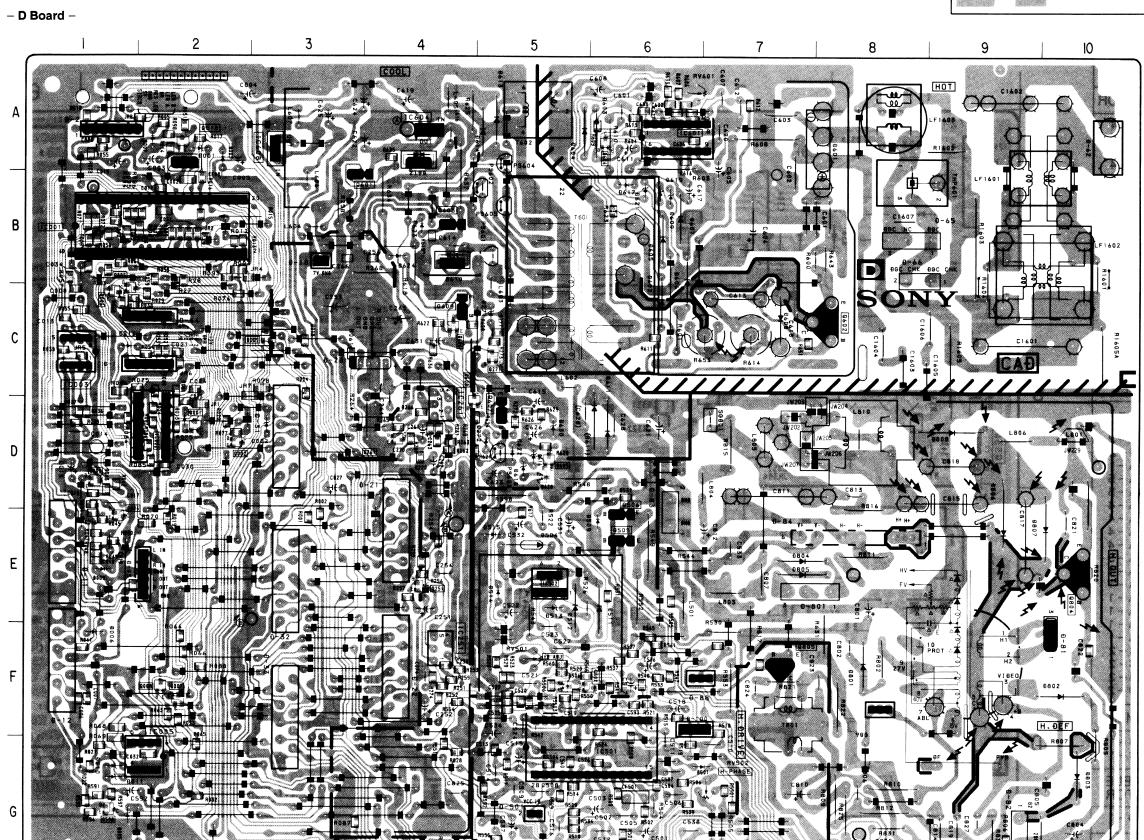






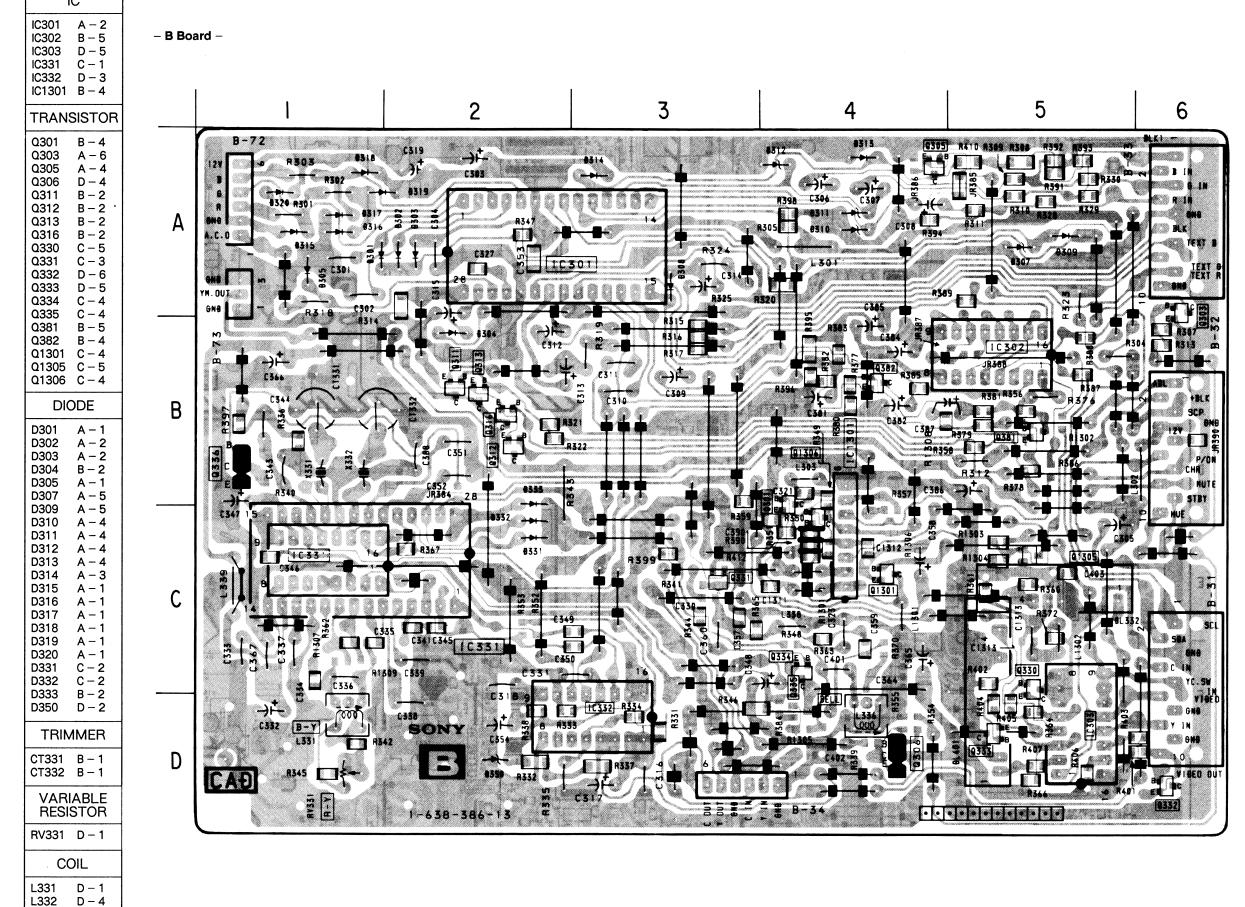
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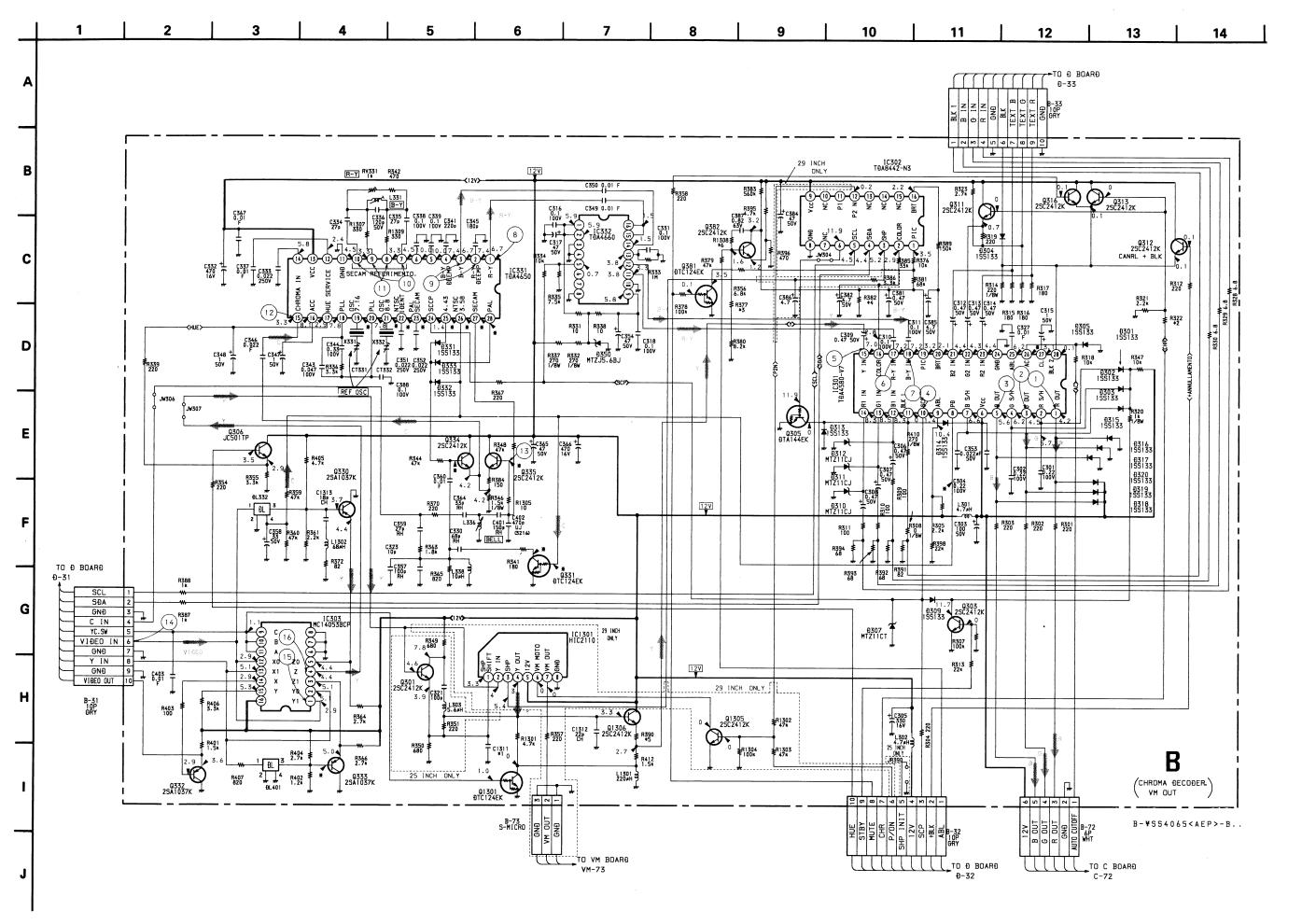
The circuit indicated as left contains high voltage of over 600 Vp-p. Care must be paid to prevent an electric shock in inspection or repairing.



	IC	D272	D - 5
IC001 IC002 IC003 IC005 IC251 IC261 IC501 IC502 IC601 IC604 IC608	B-2 D-2 C-1 G-2 F-4 D-4 G-6 E-5 A-6 A-3	D501 D504 D506 D508 D509 D511 D512 D513 D514 D515 D601 D602 D603	G-7 E-5 H-5 E-6 E-5 E-5 E-5 A-6 A-6
TRAN	SISTOR	D604 D605	A – 5 B – 6
Q001 Q002 Q003 Q004 Q005 Q006 Q007 Q008 Q009 Q010 Q251 Q261 Q271 Q502 Q505 Q506 Q507 Q598 Q601 Q602 Q603 Q604 Q605 Q606 Q607 Q608 Q609 Q801 Q804	D D D D D D D D D D D D D D D D D D D	D606 D607 D608 D609 D610 D611 D612 D613 D614 D616 D617 D618 D619 D620 D621 D622 D623 D624 D630 D801 D802 D803 D804 D805 D806 D807 D808	BBCBBCBBCBBCBBCBCBCBCBCBCBCBCBCBCBCBCB
Q805	F – 7	RESI	STOR
	ODE	RV501 RV502	F – 5 G – 7 A – 6
D001 D002 D003 D005 D006	A – 2 D – 3 A – 2 G – 1 F – 1	RV601	A - b
D007 D009	A – 2 E – 1	TP	
D009 D010 D011 D012 D013 D271	G-1 G-1 C-1 D-2 C-5	TP91	J – 9
			. — — — — — — — — — — — — — — — — — — —

B [CHROMA DECODER]





B Board

B Board		
IC301	TDA4580-V7	VI
IC302	TDA8442-N3	D/
IC303	MC14053BCP	Y/
IC331	TDA4650	CO
IC332	TDA4660V2	1H
IC1301	HIC2110	SH
Q301	2SC2412K	Y
Q303	2SC2412K	ST
0305	DTA144EK	AN
Q306	JC501TP	VI
Q311	2SC2412K	ON
Q312	2SC2412K	CA
Q313	2SC2412K	ON
Q316	2SC2412K	FA
Q330	2SA1037K	VI
Q331	DTC124EK	NT
Q332	2SA1037K	VI
Q333	2SA1037K	Y
Q334	2SC2412K	PA
Q335	2SC2412K	SE
Q333 Q381	DTC124EK	
0382	2SC2412K	MU
Q1301	DTC124EK	AB
	2SC2412K	Y
Q1305 Q1306	2SC2412K	Y
Q1300	25C2412K	+-
D301	1SS133	AC
D302	1SS133	AC
D303	1SS133	AC
D304	1SS133	DE
D305	1SS133	PR
D307	MTZ11CJ	PR
D309	1SS133	PR
D310	MTZ11CJ	PR
D311	MTZ11CJ	PR
D312	MTZ11CJ	PR
D313	1SS133	PR
D314	1SS133	PR
D315	1SS133	PR
D316	1SS133	PR
D317	1SS133	PR
D318	1SS133	PR
D319	1SS133	PR
D320	1SS133	PR
D331	1SS133	SE
D332	1SS133	SE
D333	1SS133	SE
D350	MTZ5.6BJ	PR

		25 INCH
*1	C1311	56P-
*2	R322	1K
*3	R377	560
*4	R382	220K
* 5	R390	220
*6	R1308	0

		PAL	SECA
IC301	(B)	0.1	0.1
	26)	6.7	6.8
IC331	(19)	3.1	3.6
	(21)	3.0	3.5
	(22)	5.6	5.6
	(23)	7.5	7.0
	2 5)	0.1	0.1
	(26)	0.1	0.1
	(27)	0.1	5.8
	(28)	5.9	0.1
Q331	(B)	0.1	0.1
	(C)	0.3	0.4
Q333	(B)	4.4	4.4
Q334	(B)	4.9	0.1
0775	(D)	0.1	4.8

B Board

TC301 TDA4580-V7 VIDEO PROCESSOR TC302 TDA8442-N3 D/A CONVERTER IC BUS TC303 MC14053BCP Y/C COMP SW TC331 TDA4650 COLOR PROCESSOR TC332 TDA4660V2 TH-DELAY TC1301 HIC2110 SHARPNESS CONTROL SHARPNESS CONTROL TC1301 HIC2110 SHARPNESS CONTROL TC1301 STC2412K Y AMP(25" ONLY) Q303 2SC2412K STBY SW Q305 DTA144EK ANTI PRIORITY SCART Q306 JC501TP VIDEO BUF (HUE) Q311 2SC2412K CANRL +BLK Q312 2SC2412K CANRL +BLK Q313 2SC2412K CANRL +BLK Q313 2SC2412K FAS PICTURE MUTE SW Q330 2SA1037K VIDEO AMP UIDEO AMP Q331 DTC124EK NTSC SW Q332 2SA1037K VIDEO BUFF Q333 2SA1037K VIDEO BUFF Q333 2SA1037K VIDEO BUFF Q334 2SC2412K PAL/NTSC SW Q335 2SC2412K PAL/NTSC SW Q335 2SC2412K PAL/NTSC SW Q335 2SC2412K PAL/NTSC SW Q381 DTC124EK MUTE Q382 2SC2412K ABL Q1301 DTC124EK MUTE Q382 2SC2412K Y OUT Q1306 2SC2412K Y OUT Q1306 2SC2412K Y OUT Q1306 2SC2412K Y OUT Q1306 2SC2412K Y OUT Q1305 2SC2412K Y OUT Q1306 2SC2412K Y OUT Q1307 MTZ11CJ PROT D309 ISS133 PROT D309 ISS133 PROT D311 MTZ11CJ PROT D312 MTZ11CJ PROT D313 ISS133 PROT D314 ISS133 PROT D315 ISS133 PROT D316 ISS133 PROT D317 ISS133 PROT D318 ISS133 PROT D319 ISS133 PROT D319 ISS133 PROT D316 ISS133 PROT D317 ISS133 PROT D318 ISS133 PROT D319 ISS133 PROT D319 ISS133 PROT D316 ISS133 PROT D317 ISS133 PROT D318 ISS133 PROT D319 IS	B Board		
IC333	IC301	TDA4580-V7	VIDEO PROCESSOR
TD331	IC302	TDA8442-N3	D/A CONVERTER IC BUS
TC332	IC303	MC14053BCP	Y/C COMP SW
TC332	IC331	TDA4650	COLOR PROCESSOR
TC1301			
Q301 2SC2412K Y AMP(25" ONLY) Q303 2SC2412K STBY SW Q306 JC501TP VIDEO BUF(HUE) Q311 2SC2412K ON SCREEN DISPLAY SW Q312 2SC2412K CANRL +BLK Q313 2SC2412K ON SCREEN DISPLAY Q316 2SC2412K FAS PICTURE MUTE SW Q317 2SC2412K FAS PICTURE MUTE SW Q330 2SA1037K VIDEO AMP Q331 DTC124EK NTSC SW Q332 2SA1037K VIDEO BUFF Q333 2SA1037K Y AMP Q334 2SC2412K PAL/NTSC SW Q335 2SC2412K PAL/NTSC SW Q335 2SC2412K MUTE Q381 DTC124EK MUTE Q382 2SC2412K Y OUT Q1305 2SC2412K Y OUT Q1306 2SC2412K Y OUT D301 1SS133 ACO AT STBY D302 1SS133 PROT D303 1SS133<			
Q303		1	
Q305 DTA144EK ANTI PRIORITY SCART Q306 JC501TP VIDEO BUF (HUE) Q311 2SC2412K ON SCREEN DISPLAY SW Q312 2SC2412K CANRL +BLK Q313 2SC2412K FAS PICTURE MUTE SW Q316 2SC2412K FAS PICTURE MUTE SW Q330 2SA1037K VIDEO AMP Q331 DTC124EK NTSC SW Q332 2SA1037K VIDEO BUFF Q333 2SA1037K VIDEO BUFF Q334 2SC2412K PAL/NTSC SW Q335 2SC2412K PAL/NTSC SW Q335 2SC2412K SECAM SW Q381 DTC124EK MUTE Q382 2SC2412K ABL Q1301 DTC124EK Y BUFF Q1305 2SC2412K Y OUT Q1306 2SC2412K Y OUT Q1306 2SC2412K Y OUT Q1306 2SC2412K Y OUT Q1307 MT211CJ PROT D309 ISS133 DECOUPLING BLK D307 MT211CJ PROT D310 MT211CJ PROT D311 MT211CJ PROT D311 MT211CJ PROT D312 MT211CJ PROT D313 ISS133 PROT D314 ISS133 PROT D315 ISS133 PROT D316 ISS133 PROT D317 ISS133 PROT D318 ISS133 PROT D316 ISS133 PROT D317 ISS133 PROT D318 ISS133 PROT D316 ISS133 PROT D317 ISS133 PROT D318 ISS133 PROT D318 ISS133 PROT D318 ISS133 PROT D318 ISS133 PROT D319 ISS133 PROT D318 ISS133 PROT D319 ISS133 PROT D319 ISS133 PROT D319 ISS133 PROT D318 ISS133 PROT D319 ISS133 PROT D319 ISS133 PROT D311 ISS133 PROT D312 ISS133 PROT D313 ISS133 PROT D314 ISS133 PROT D315 ISS133 PROT D316 ISS133 PROT D317 ISS133 PROT D318 ISS133 PROT D318 ISS133 PROT D319 ISS133 PROT D319 ISS133 PROT D331 ISS133 PROT D3320 ISS133 PROT D3331 ISS133 SECAM SW D3331 ISS133 SECAM SW D3333 ISS133 SEC	Q301	2SC2412K	Y AMP(25" ONLY)
Q306	Q303	2SC2412K	STBY SW
Q311 2SC2412K ON SCREEN DISPLAY SW Q312 2SC2412K CANRL +BLK Q313 2SC2412K ON SCREEN DISPLAY Q316 2SC2412K FAS PICTURE MUTE SW Q330 2SA1037K VIDEO AMP Q331 DTC124EK NTSC SW Q332 2SA1037K VIDEO BUFF Q333 2SA1037K Y AMP Q334 2SC2412K PAL/NTSC SW Q335 2SC2412K SECAM SW Q381 DTC124EK MUTE Q382 2SC2412K ABL Q1301 DTC124EK Y BUFF Q1305 2SC2412K Y OUT Q1306 2SC2412K Y OUT D301 1SS133 ACO AT STBY D302 1SS133 ACO AT STBY D303 1SS133 PROT D304 1SS133 PROT D309 1SS133 PROT D310 MTZ11CJ PROT D311 MTZ11CJ PROT	Q305	DTA144EK	ANTI PRIORITY SCART
Q311 2SC2412K ON SCREEN DISPLAY SW Q312 2SC2412K CANRL +BLK Q313 2SC2412K ON SCREEN DISPLAY Q316 2SC2412K FAS PICTURE MUTE SW Q330 2SA1037K VIDEO AMP Q331 DTC124EK NTSC SW Q332 2SA1037K VIDEO BUFF Q333 2SA1037K Y AMP Q334 2SC2412K PAL/NTSC SW Q335 2SC2412K SECAM SW Q381 DTC124EK MUTE Q382 2SC2412K ABL Q1301 DTC124EK Y BUFF Q1305 2SC2412K Y OUT Q1306 2SC2412K Y OUT D301 1SS133 ACO AT STBY D302 1SS133 ACO AT STBY D303 1SS133 PROT D304 1SS133 PROT D309 1SS133 PROT D310 MTZ11CJ PROT D311 MTZ11CJ PROT	Q306	JC501TP	VIDEO BUF(HUE)
Q312 2SC2412K CANRL +BLK Q313 2SC2412K ON SCREEN DISPLAY Q316 2SC2412K FAS PICTURE MUTE SW Q330 2SA1037K VIDEO AMP Q331 DTC124EK NTSC SW Q332 2SA1037K VIDEO BUFF Q333 2SA1037K Y AMP Q334 2SC2412K PAL/NTSC SW Q335 2SC2412K SECAM SW Q381 DTC124EK MUTE Q382 2SC2412K ABL Q1301 DTC124EK Y BUFF Q1305 2SC2412K Y OUT Q1306 2SC2412K Y OUT Q1306 2SC2412K Y OUT D301 1SS133 ACO AT STBY D302 1SS133 ACO AT STBY D303 1SS133 PROT D304 1SS133 PROT D309 1SS133 PROT D310 MTZ11CJ PROT D311 MTZ11CJ PROT	Q311	2SC2412K	
Q316	Q312	2SC2412K	
Q330	Q313	2SC2412K	ON SCREEN DISPLAY
Q331 DTC124EK NTSC SW Q332 2SA1037K VIDEO BUFF Q333 2SA1037K Y AMP Q334 2SC2412K PAL/NTSC SW Q381 DTC124EK MUTE Q382 2SC2412K ABL Q1301 DTC124EK Y BUFF Q1305 2SC2412K Y OUT Q1306 2SC2412K Y OUT D301 1SS133 ACO AT STBY D302 1SS133 ACO AT STBY D303 1SS133 DECOUPLING BLK D304 1SS133 PROT D307 MTZ11CJ PROT D309 1SS133 PROT D310 MTZ11CJ PROT D311 MTZ11CJ PROT D312 MTZ11CJ PROT D313 1SS133 PROT D314 1SS133 PROT D315 1SS133 PROT D316 1SS133 PROT D317 1SS133	0316	2SC2412K	FAS PICTURE MUTE SW
Q331 DTC124EK NTSC SW Q332 2SA1037K VIDEO BUFF Q333 2SA1037K Y AMP Q334 2SC2412K PAL/NTSC SW Q385 2SC2412K SECAM SW Q381 DTC124EK MUTE Q382 2SC2412K ABL Q1301 DTC124EK Y BUFF Q1305 2SC2412K Y OUT Q1306 2SC2412K Y OUT D301 1SS133 ACO AT STBY D302 1SS133 ACO AT STBY D303 1SS133 DECOUPLING BLK D304 1SS133 PROT D305 1SS133 PROT D309 1SS133 PROT D310 MTZ11CJ PROT D311 MTZ11CJ PROT D312 MTZ11CJ PROT D313 1SS133 PROT D314 1SS133 PROT D315 1SS133 PROT D316 1SS133		2SA1037K	
Q332 2SA1037K VIDEO BUFF Q333 2SA1037K Y AMP Q334 2SC2412K PAL/NTSC SW Q381 DTC124EK MUTE Q382 2SC2412K ABL Q1301 DTC124EK Y BUFF Q1305 2SC2412K Y OUT Q1306 2SC2412K Y OUT D301 1SS133 ACO AT STBY D302 1SS133 ACO AT STBY D303 1SS133 PROT D304 1SS133 PROT D305 1SS133 PROT D309 1SS133 PROT D310 MTZ11CJ PROT D311 MTZ11CJ PROT D312 MTZ11CJ PROT D313 1SS133 PROT D314 1SS133 PROT D315 1SS133 PROT D316 1SS133 PROT D316 1SS133 PROT D318 1SS133 PROT			
Q333		2SA1037K	
Q334			
Q335 2SC2412K SECAM SW Q381 DTC124EK MUTE Q382 2SC2412K ABL Q1301 DTC124EK Y BUFF Q1305 2SC2412K Y OUT Q1306 2SC2412K Y OUT D301 1SS133 ACO AT STBY D302 1SS133 ACO AT STBY D303 1SS133 DECOUPLING BLK D305 1SS133 PROT D307 MT211CJ PROT D309 1SS133 PROT D310 MT211CJ PROT D311 MT211CJ PROT D312 MT211CJ PROT D313 1SS133 PROT D314 1SS133 PROT D315 1SS133 PROT D316 1SS133 PROT D317 1SS133 PROT D318 1SS133 PROT D319 1SS133 PROT D331 1SS133 PROT			PAL/NTSC SW
Q381 DTC124EK MUTE Q382 2SC2412K ABL Q1301 DTC124EK Y BUFF Q1305 2SC2412K Y OUT Q1306 2SC2412K Y OUT D301 1SS133 ACO AT STBY D302 1SS133 ACO AT STBY D304 1SS133 DECOUPLING BLK D305 1SS133 PROT D307 MTZ11CJ PROT D309 1SS133 PROT D311 MTZ11CJ PROT D312 MTZ11CJ PROT D313 1SS133 PROT D314 1SS133 PROT D315 1SS133 PROT D316 1SS133 PROT D317 1SS133 PROT D318 1SS133 PROT D319 1SS133 PROT D311 1SS133 PROT D318 1SS133 PROT D331 1SS133 PROT			
Q382 2SC2412K ABL Q1301 DTC124EK Y BUFF Q1305 2SC2412K Y OUT Q1306 2SC2412K Y OUT D301 1SS133 ACO AT STBY D302 1SS133 ACO AT STBY D303 1SS133 DECOUPLING BLK D304 1SS133 PROT D307 MTZ11CJ PROT D309 1SS133 PROT D310 MTZ11CJ PROT D311 MTZ11CJ PROT D312 MTZ11CJ PROT D313 1SS133 PROT D314 1SS133 PROT D315 1SS133 PROT D316 1SS133 PROT D317 1SS133 PROT D318 1SS133 PROT D319 1SS133 PROT D331 1SS133 PROT D331 1SS133 PROT D331 1SS133 PROT			
Q1301 DTC124EK Y BUFF Q1305 2SC2412K Y OUT Q1306 2SC2412K Y OUT D301 1SS133 ACO AT STBY D302 1SS133 ACO AT STBY D303 1SS133 DECOUPLING BLK D304 1SS133 PROT D307 MTZ11CJ PROT D309 1SS133 PROT D310 MTZ11CJ PROT D311 MTZ11CJ PROT D312 MTZ11CJ PROT D313 1SS133 PROT D314 1SS133 PROT D315 1SS133 PROT D316 1SS133 PROT D317 1SS133 PROT D318 1SS133 PROT D319 1SS133 PROT D331 1SS133 PROT D331 1SS133 PROT D333 1SS133 SECAM SW D333 1SS133 SECAM SW			
Q1305 2SC2412K Y OUT Q1306 2SC2412K Y OUT D301 1SS133 ACO AT STBY D302 1SS133 ACO AT STBY D303 1SS133 DECOUPLING BLK D304 1SS133 PROT D305 1SS133 PROT D309 1SS133 PROT D310 MTZ11CJ PROT D311 MTZ11CJ PROT D312 MTZ11CJ PROT D313 1SS133 PROT D314 1SS133 PROT D315 1SS133 PROT D316 1SS133 PROT D317 1SS133 PROT D318 1SS133 PROT D319 1SS133 PROT D331 1SS133 PROT D331 1SS133 PROT D332 1SS133 SECAM SW D333 1SS133 SECAM SW			
Q1306 2SC2412K Y OUT D301 1SS133 ACO AT STBY D302 1SS133 ACO AT STBY D303 1SS133 DECOUPLING BLK D304 1SS133 PROT D305 1SS133 PROT D307 MTZ11CJ PROT D310 MTZ11CJ PROT D311 MTZ11CJ PROT D312 MTZ11CJ PROT D313 1SS133 PROT D314 1SS133 PROT D315 1SS133 PROT D316 1SS133 PROT D317 1SS133 PROT D318 1SS133 PROT D319 1SS133 PROT D331 1SS133 PROT D332 1SS133 SECAM SW D333 1SS133 SECAM SW			
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D302 1SS133 ACO AT STBY D303 1SS133 ACO AT STBY D304 1SS133 DECOUPLING BLK D305 1SS133 PROT D307 MTZ11CJ PROT D309 1SS133 PROT D310 MTZ11CJ PROT D311 MTZ11CJ PROT D312 MTZ11CJ PROT D313 1SS133 PROT D314 1SS133 PROT D315 1SS133 PROT D316 1SS133 PROT D317 1SS133 PROT D318 1SS133 PROT D319 1SS133 PROT D331 1SS133 PROT D331 1SS133 SECAM SW D332 1SS133 SECAM SW D333 1SS133 SECAM SW	-		
D303 1SS133 ACO AT STBY D304 1SS133 DECOUPLING BLK D305 1SS133 PROT D307 MTZ11CJ PROT D309 1SS133 PROT D310 MTZ11CJ PROT D311 MTZ11CJ PROT D312 MTZ11CJ PROT D313 1SS133 PROT D314 1SS133 PROT D315 1SS133 PROT D316 1SS133 PROT D317 1SS133 PROT D318 1SS133 PROT D319 1SS133 PROT D331 1SS133 PROT D331 1SS133 SECAM SW D332 1SS133 SECAM SW D333 1SS133 SECAM SW	D301	1SS133	ACO AT STBY
D303 1SS133 ACO AT STBY D304 1SS133 DECOUPLING BLK D305 1SS133 PROT D307 MTZ11CJ PROT D309 1SS133 PROT D310 MTZ11CJ PROT D311 MTZ11CJ PROT D312 MTZ11CJ PROT D313 1SS133 PROT D314 1SS133 PROT D315 1SS133 PROT D316 1SS133 PROT D317 1SS133 PROT D318 1SS133 PROT D319 1SS133 PROT D331 1SS133 PROT D331 1SS133 SECAM SW D332 1SS133 SECAM SW D333 1SS133 SECAM SW	D302	1SS133	ACO AT STBY
D305 1SS133 PROT D307 MTZ11CJ PROT D309 1SS133 PROT D310 MTZ11CJ PROT D311 MTZ11CJ PROT D312 MTZ11CJ PROT D313 1SS133 PROT D314 1SS133 PROT D315 1SS133 PROT D316 1SS133 PROT D317 1SS133 PROT D318 1SS133 PROT D319 1SS133 PROT D320 1SS133 PROT D331 1SS133 SECAM SW D332 1SS133 SECAM SW D333 1SS133 SECAM SW	D303	1SS133	
D307 MTZ11CJ PROT D309 1SS133 PROT D310 MTZ11CJ PROT D311 MTZ11CJ PROT D312 MTZ11CJ PROT D313 1SS133 PROT D314 1SS133 PROT D315 1SS133 PROT D316 1SS133 PROT D317 1SS133 PROT D318 1SS133 PROT D320 1SS133 PROT D331 1SS133 PROT D331 1SS133 SECAM SW D332 1SS133 SECAM SW D333 1SS133 SECAM SW	D304	1SS133	DECOUPLING BLK
D309 1SS133 PROT D310 MTZ11CJ PROT D311 MTZ11CJ PROT D312 MTZ11CJ PROT D313 1SS133 PROT D314 1SS133 PROT D315 1SS133 PROT D316 1SS133 PROT D317 1SS133 PROT D318 1SS133 PROT D319 1SS133 PROT D320 1SS133 PROT D331 1SS133 SECAM SW D332 1SS133 SECAM SW D333 1SS133 SECAM SW	D305	1SS133	PROT
D309 1SS133 PROT D310 MTZ11CJ PROT D311 MTZ11CJ PROT D312 MTZ11CJ PROT D313 1SS133 PROT D314 1SS133 PROT D315 1SS133 PROT D316 1SS133 PROT D317 1SS133 PROT D318 1SS133 PROT D319 1SS133 PROT D320 1SS133 PROT D331 1SS133 SECAM SW D332 1SS133 SECAM SW D333 1SS133 SECAM SW	D307	MTZ11CJ	PROT
D310 MTZ11CJ PROT D311 MTZ11CJ PROT D312 MTZ11CJ PROT D313 1SS133 PROT D314 1SS133 PROT D315 1SS133 PROT D316 1SS133 PROT D317 1SS133 PROT D318 1SS133 PROT D319 1SS133 PROT D320 1SS133 PROT D331 1SS133 SECAM SW D332 1SS133 SECAM SW D333 1SS133 SECAM SW			
D311 MTZ11CJ PROT D312 MTZ11CJ PROT D313 1SS133 PROT D314 1SS133 PROT D315 1SS133 PROT D316 1SS133 PROT D317 1SS133 PROT D318 1SS133 PROT D319 1SS133 PROT D320 1SS133 PROT D331 1SS133 SECAM SW D332 1SS133 SECAM SW D333 1SS133 SECAM SW			
D312 MTZ11CJ PROT D313 1SS133 PROT D314 1SS133 PROT D315 1SS133 PROT D316 1SS133 PROT D317 1SS133 PROT D318 1SS133 PROT D319 1SS133 PROT D320 1SS133 PROT D331 1SS133 PROT D332 1SS133 SECAM SW D333 1SS133 SECAM SW D333 1SS133 SECAM SW			
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D315 1SS133 PROT D316 1SS133 PROT D317 1SS133 PROT D318 1SS133 PROT D319 1SS133 PROT D320 1SS133 PROT D331 1SS133 SECAM SW D332 1SS133 SECAM SW D333 1SS133 SECAM SW	D313		
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D317 1SS133 PROT D318 1SS133 PROT D319 1SS133 PROT D320 1SS133 PROT D331 1SS133 PROT D332 1SS133 SECAM SW D333 1SS133 SECAM SW D333 1SS133 SECAM SW	D315	1SS133	
D318 1SS133 PROT D319 1SS133 PROT D320 1SS133 PROT D331 1SS133 SECAM SW D332 1SS133 SECAM SW D333 1SS133 SECAM SW	D316	1SS133	PROT
D318 1SS133 PROT D319 1SS133 PROT D320 1SS133 PROT D331 1SS133 SECAM SW D332 1SS133 SECAM SW D333 1SS133 SECAM SW	D317	1SS133	PROT
D319 1SS133 PROT D320 1SS133 PROT D331 1SS133 SECAM SW D332 1SS133 SECAM SW D333 1SS133 SECAM SW	D318	1SS133	PROT
D331 1SS133 SECAM SW D332 1SS133 SECAM SW D333 1SS133 SECAM SW	D319	1SS133	PROT
D332 1SS133 SECAM SW D333 1SS133 SECAM SW	D320	1SS133	PROT
D332 1SS133 SECAM SW D333 1SS133 SECAM SW	D331	1SS133	
D333 1SS133 SECAM SW	D332		
D350 MTZ5.6BJ PROT	D350	MTZ5.6BJ	

		25 INCH	-29 INCH	
*1	C1311	56P-	33P	
*2	R322	1K	1.2K	
*3	R377	560	2.2K	
*4	R382	220K	180K	
* 5	R390	220	100	
*6	R1308	0	4.7K	

		PAL	SECAM	NTSC3.58	NTSC4.43
IC301	(8)	0.1	0.1	5.8	0.1
	26)	6.7	6.8	5.1	6.5
IC331	(19)	3.1	3.6	3.1	2.8
	21)	3.0	3.5	2.9	2.7
	22	5.6	5.6	7.1	7.2
	23	7.5	7.0	5.6	5.6
	23	0.1	0.1	0.1	5.8
	23	0.1	0.1	5.8	0.1
	IMMIN.	0.1	5.8	0.1	0.1
	2 8	5.9	0.1	0.1	0.1
Q331	(B)	0.1	0.1	5.8	0.1
	(C)	0.3	0.4	0	0.8
Q333	(B)	4.4	4.4	4.4	4.4
Q334	(B)	4.9	0.1	4.8	4.8
Q335	(B)	0.1	4.8	0.1	0.1

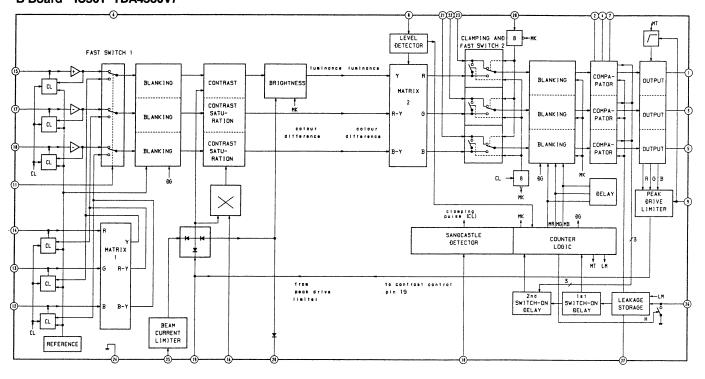
B BOARD WAVEFORMS

1 PAL. SECAM	1 NTSC 3.58/4.43	2 PAL, SECAM	9 SECAM	9 NTSC 3.58/4.43	10 SECAM
Joseph Joseph	777	-	<u> </u>		
4.8 Vp-p(H)	5.0Vp-p (H)	4.8Vp-p (H)	1.5 Vp-p(H)	0.6Vp-p (H)	0.75Vp-p (H)
2 NTSC 3.58/4.43	3 PAL. SECAM	3 NTSC 3.58/4.43	1 SECAM	12 PAL	12 SECAM
7 pt-7	<i>ո</i> ւ]խու]խու]խո	म्स्रीत म्स्रीत		1-0-0	
4.8Vp-p (H)	4.8Vp-p(H)	4.8Vp-p(H)	0.2Vp-p (H)	0.2Vp-p(H)	0.12Vp-p (H)
4	5 PAL	5 SECAM	12 NTSC 3.58/4.43	13 PAL	(13) SECAM
	Property	Janaa Ja			
9.5Vp-p (H)	0.4Vp-p (H)	0.36Vp-p (H)	0.17Vp-p (H)	0.4Vp-p (H)	0.12Vp-p (H)
5 NTSC 3.58/4.43	6 PAL, SECAM	6 NTSC 3.58/4.43	(13) NTSC 3.58/4.43	(14) PAL	14 SECAM
1,255	-1/11/11/1-	4	Cappella Cap	7 ¹	San Landson
0.46Vp-p(H)	0.9Vp-p (H)	0.7Vp-p(H)	0.3Vp-p(H)	1.25 Vp-p(H)	1.25Vp-p (H)
7 PAL, SECAM	7 NTSC 3.58/4.43	8 PAL	14) NTSC 3.58/4.43	(15) PAL	15 SECAM
<u> </u>		17-17-17-	-J#1999-1	J	San
1.1 Vp-p (H)	1.25Vp-p (H)	0.5Vp-p(H)	1.1Vp-p (H)	1.25Vp-p (H)	1.25 Vp-p (H)
8 SECAM	8 NTSC 3.58/4.43	9 PAL	(15) NTSC 3.58/4.43	(6) PAL, SECAM	16 NTSC 3.58/4.43
-1717-		_ 1111_1111_1111 -	per la properties	January L	
1.1Vp-p (H)	0.4Vp-p(H)	0.6Vp-p(H)	1.2Vp-p (H)	0.5Vp-p (H)	0.5Vp-p (H)

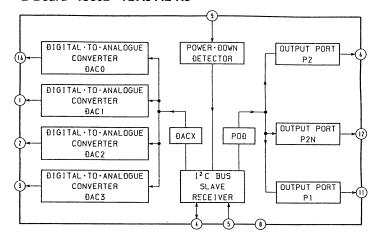
B-SS4065<AEP>-B<WAYELIST>-1

H) [1.2Vp-p(H) [0.5Vp-p(H) | 0.5Vp-p(H) | 0.

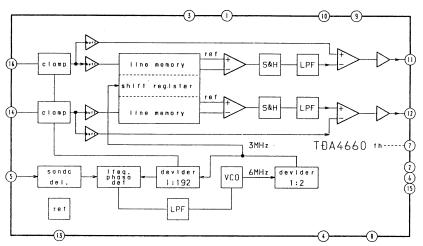
B Board IC301 TDA4580V7



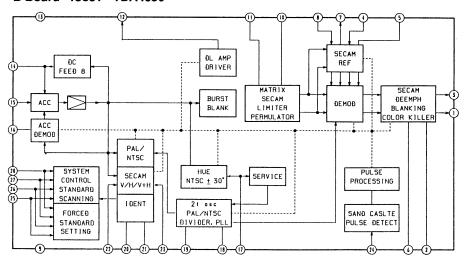
B Board IC302 TDA8442-N3

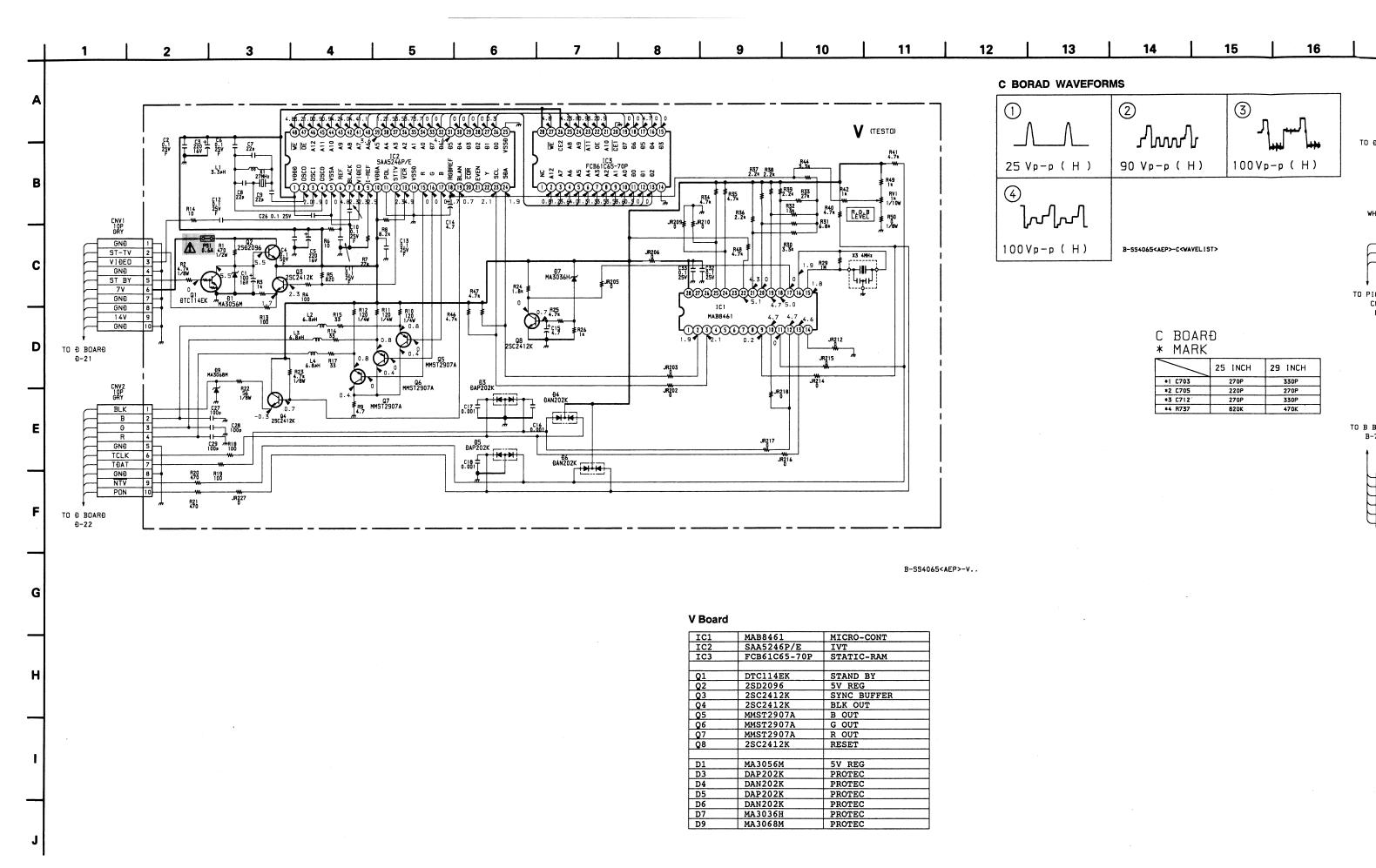


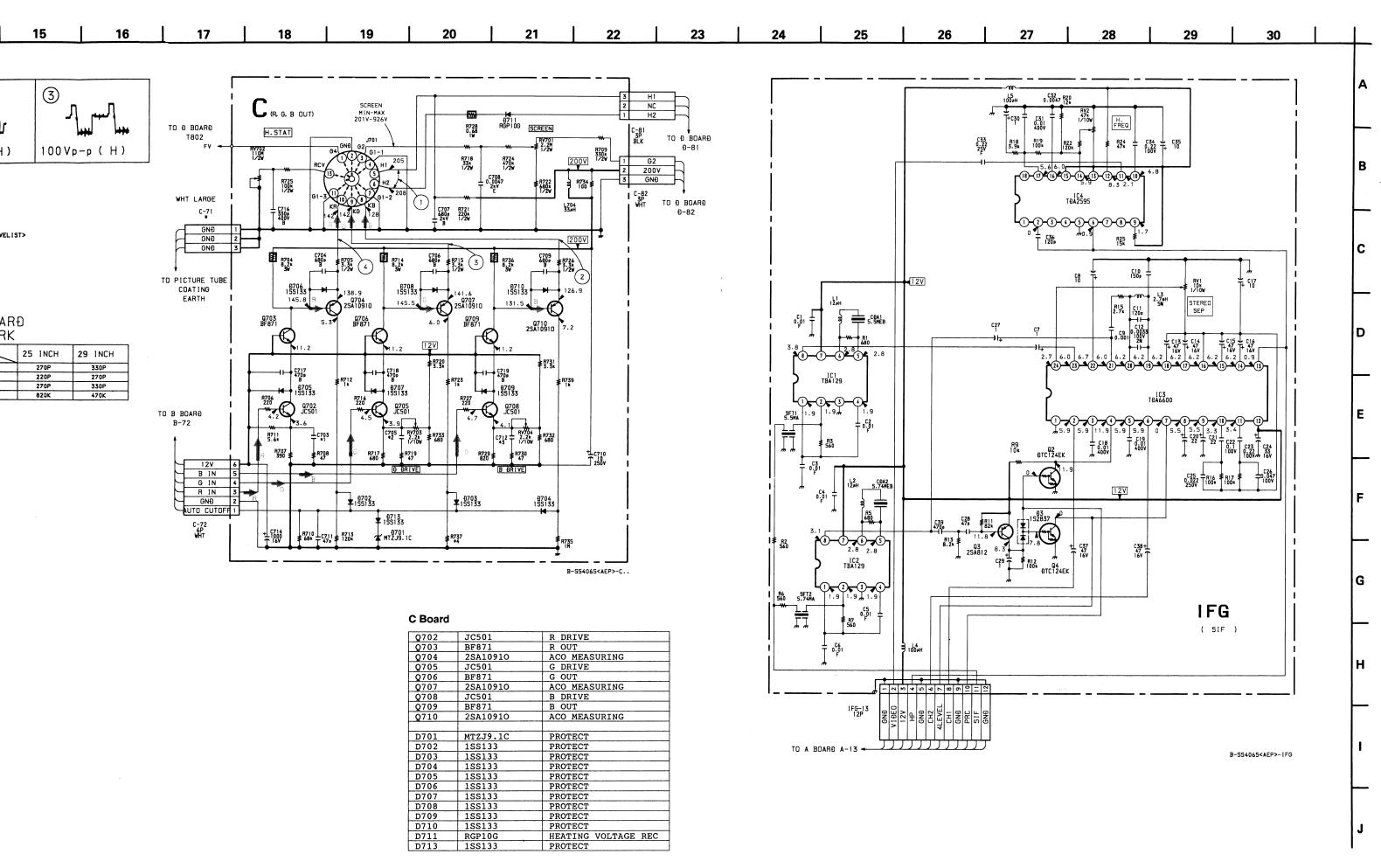
B Board IC332 TDA4660V2



B Board IC331 TDA4650







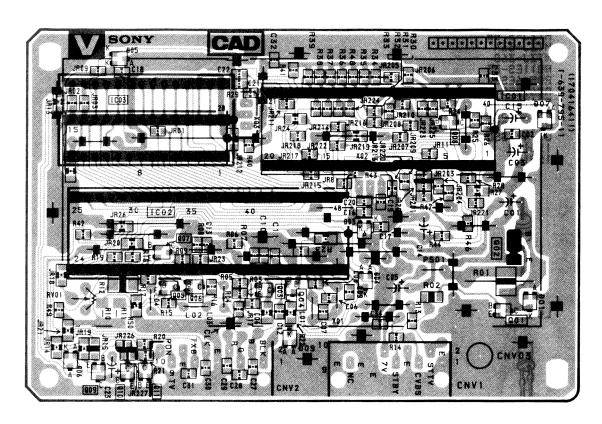
RM-816 RM-816



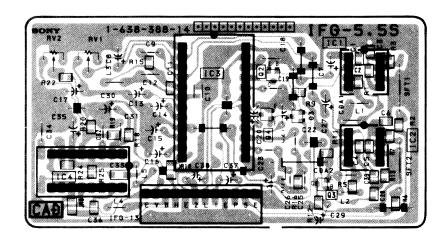




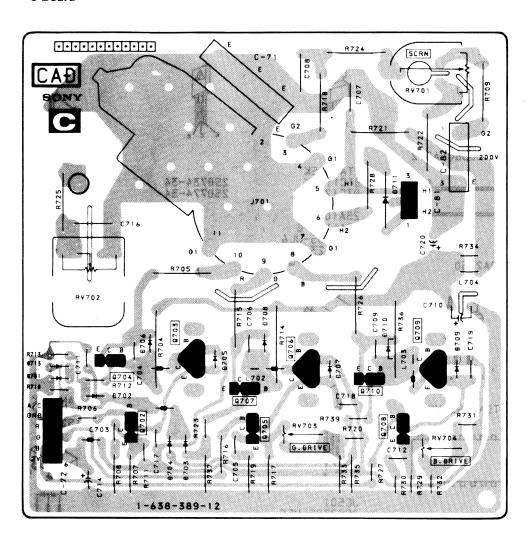
V Board -



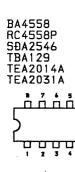
- IFG Board -



− C Board −



5-4. SEMICONDUCTORS



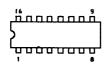
CXA1114P FCB61C65-70P MAB8461P-W208 TĐA4580-V7 TĐA4650-V4 TĐA6200 TEA2028B



LM7812CT TEA7605



MC14051BCP MC14053BCP PCF8574 TĐA4660V2 TĐA8442-N3 TEA2260 µPĐ4053BC





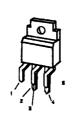
SBX1610-11



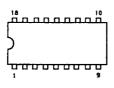
SDA20560-A012



TĐA2050

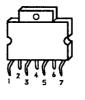


TĐA2595-V9



TĐA6600-2

TĐA8170



BF871



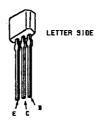
DTA144EK DTC114EK DTC124EK DTC124EK 2SA1037K 2SA1162-G 2SB1295-UL6 2SC1623-L5L6 2SC2412K-QR



DTC144ES



JC501 2SC2785-HFE



25A1091-0 25D789-34

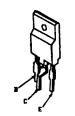
2SA1220A-P 2SC2688-LK



2SB734-34 2SĐ774-34



2SÐ1548-LB



2SÐ2096-EF



CTU-125



ĐAN202K MA152WK 152837



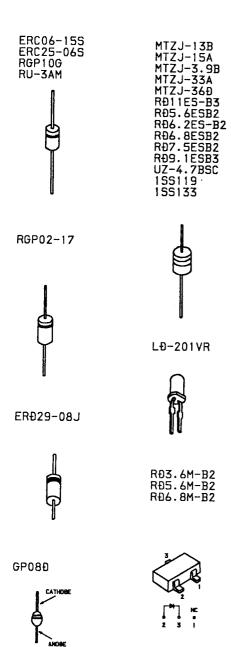
ĐA204K 1SS226



ĐAP202K



-55-



SECTION 6 EXPLODED VIEWS

- NOTE:

 Items with no part number and no description are not stocked because they are seldom required for routine service.

 The construction parts of an assembled part are indicated with a collation number in the remark column.

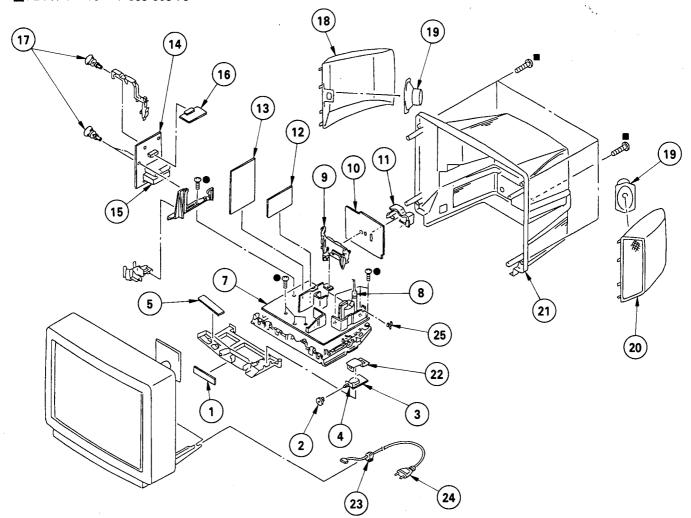
Items marked " * " are not stocked since they are seldom required for routine service. Some delay should be anticipated when ordering these items.

The components identified by shading and mark \triangle are critical for safety.

Replace only with part number specified. -----

6-1. CHASSIS

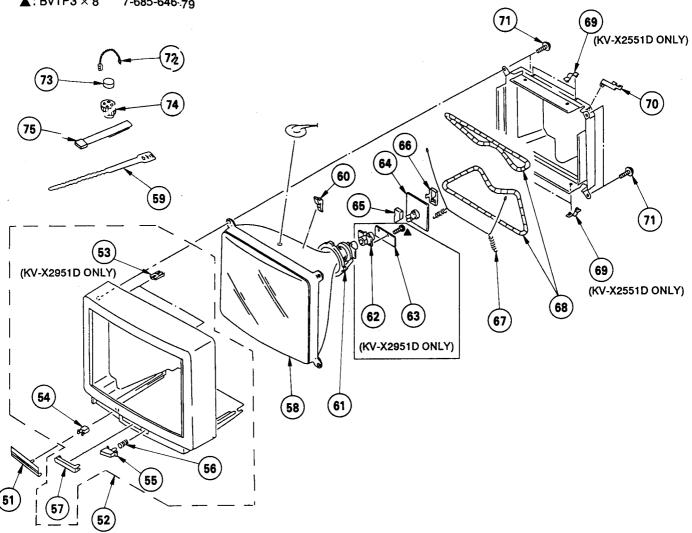
●: BVTP3 × 12 7-685-648-79 **■**: BVTP4 × 16 7-685-663-79



REF.NO. PART NO.	DESCRIPTION	REMARK	REF.NO. PART NO.	DESCRIPTION	REMARK
1	COVER, SWITCH F BOARD SWITCH, PUSH (AC POWER) H1 BOARD D BOARD, COMPLETE (KV-X2551D ONL D BOARD, COMPLETE (KV-X2951D ONL TEANSFORMER ASSY, FLYBACK (UX-16 BRACKET, J J1 BOARD, COMPLETE (KV-X2551D ON J1 BOARD, COMPLETE (KV-X2951D ON BRACKET, TERMINAL	.Y) .Y) . 50)	*A-1621-027-A 14 *A-1632-022-A 15 A.1-465-301-11 16 *A-1654-004-A 17 4-386-618-01 18 X-4200-088-1 19 1-544-727-11 20 X-4200-087-1 21 4-034-786-01 4-200-892-01 22 4-200-274-01 4-200-757-01 23 A.4-389-201-03	B BOARD, COMPLETE (KV-X2551 B BOARD, COMPLETE (KV-X2951) A BOARD, COMPLETE TUMER, ET (UV-836(PLL)) IFG BOARD, COMPLETE RIVET, T TYPE BAFFLE (L) ASSY, BOARD SPEAKER (7.5X13CM) BAFFLE (R) ASSY, BOARD COVER, REAR (KV-X2551D ONLY COVER, REAR (KV-X2951D ONLY COVER, POWER SWITCH (KV-X25 COVER, POWER SWITCH (KV-X25 HOLDER, AC CORD CORD, POWER (WITH NOISE FILE	O ONLY) O ONLY) SID ONLY) SID ONLY)

6-2. PICTURE TUBE

▲: BVTP3 × 8 7-685-646-79



REF.NO.	PART NO.	DESCRIPTION	REMARK	REF.N	O. PART NO.	DESCRIPTION	REMARK
51 52		DOOR CABINET ASSY (WITH BEZEL ASSY) (KV-X255 CABINET ASSY (WITH BEZEL ASSY) (KV-X295	1D ONLY) 53~57	65 66	*A-1638-011-A *A-1638-013-A *4-379-167-01 *4-379-160-01		KV-X2551D ONLY) KV-X2951D ONLY) V
59 60 61 △	4-392-036-01 4-200-886-01 4-329-112-21 4-329-112-51 4-200-148-01 8-733-231-05 8-733-831-05 3-701-007-00 3-704-495-01 1-451-311-21 1-451-313-21	HOLDER, RC (KV-X2951D ONLY) CATCHER, PUSH BUTTON, POWER SPRING (KV-X2551D ONLY) SPRING (KV-X2951D ONLY) WINDOW, ORNAMENTAL PICTURE TUBE (A59JWC61X) (KV-X295 BAND, BINDING	ID ONLY) ID ONLY) ID ONLY) ID ONLY)	67 68 69 70 71 72 73 74 75	4-303-774-99 4-369-318-00 A. 1-460-991-11 A. 1-426-535-11 *4-385-916-01 *4-387-284-01 4-373-263-01 4-308-870-00 1-452-032-00 1-452-094-00	SPRING (KV-X2551D O SPRING, TENSION (KV- COIL, DEGAUSS (KV-X COIL, DEGAUSSING (K HOLDER (D) (KV-X255 HOLDER, LEAD SCREW (M), PT CLIP, LEAD WIRE MAGNET, DISK; 10MM	NLY) -X2951D ONLY) 2551D ONLY) V-X2951D ONLY) 1D ONLY) Ø ISK; 15MM Ø

The components identified by shading and mark 🐧 are critical for safety. Replace only with part number specified.

SECTION 7 ELECTRICAL PARTS LIST

NOTE:

The components identified by shading and mark A are critical for safety. Replace only with part number specified.

Items marked " * " are not stocked since they are seldom required for routine service. Some delay should be anticipated when ordering these items.

 All variable and adjustable resistors have characteristic curve B, unless otherwise noted.

When indicating parts by reference number, please include the board name.

CAPACITORS

COILS

• MF : µF, PF : µµF

• MMH : mH, UH : μH

RESISTORS

- All resistors are in ohms
 F: nonflammable

REF.NO. PART NO.	DESCRIPTION		REMARK	REF.NO.	PART NO.	DESCRIPTION			REMARK
*A-1621-033-A *A-1621-027-A	B BOARD, COMPLETE (KV-X ************************* B BOARD, COMPLETE (KV-X ************************************				1-163-033-00 1-124-903-11 1-124-903-11 1-163-031-11			20% 20%	50V 50V 50V 50V
<pre></pre>					1-163-031-11 1-137-102-11 1-137-102-11 1-163-063-00 1-124-910-11	FILM CERAMIC CHIP	D. 022MF	10% 10% 10% 20%	50V 250V 250V 50V 50V
B32	CONNECTOR, BOARD TO BOA CONNECTOR, BOARD TO BOA PIN, CONNECTOR 6P PIN, CONNECTOR 3P (KV-)	ARD ARD (2951D ONL	LY)	C357 C358 C359 C360 C364	1-163-377-11 1-124-917-11 1-163-103-00 1-101-004-00 1-163-105-00	CERAMIC CHIP ELECT CERAMIC CHIP CERAMIC	33MF 27PF 0.01MF	5% 20% 5%	50V 50V 50V 50V 50V
	PACITOR>								50V 50V
C301	FILM 0.22MF FILM 0.22MF ELECT 100MF FILM 0.22MF ELECT 330MF	10%	100V 100V 50V 100V	C366 C367 C381 C382	1-124-910-11 1-126-103-11 1-101-004-00 1-124-902-00 1-124-927-11	ELECT CERAMIC ELECT ELECT	47MF 470MF 0.01MF 0.47MF 4.7MF	20% 20% 20% 20%	16V 50V 50V 50V
C306 1-124-902-00 C307 1-124-902-00 C308 1-124-902-00	ELECT 0.47MF ELECT 0.47MF	20% 20% 20% 20%	16V 50V 50V 50V	C384 C385 C386	1-124-910-11 1-124-927-11 1-124-927-11	ELECT ELECT ELECT	47MF 4.7MF 4.7MF	20% 20% 20%	50V 50V 50V 51D ONLY)
C309 1-124-902-00 C310 1-137-098-11	ELECT 0.47MF	20% 10%	50V 100V	C387	1-137-027-11		0.82MF	10%	638
C311 1-137-098-11 C312 1-124-902-00 C313 1-124-902-00 C314 1-124-902-00 C315 1-124-903-11	FILM 0.1MF ELECT 0.47MF ELECT 0.47MF ELECT 0.47MF	10% 20% 20% 20% 20%	100V 50V 50V 50V 50V	C403	1-137-098-11 1-101-361-00 1-163-197-00 1-163-031-11 1-163-111-00	CERAMIC CHIP	0.01MF	5%	100V 50V 50V 50V 50V
£316 1-137-098-11 C317 1-124-910-11		10% 20%	100V		1-163-105-00	CERAMIC CHIP	33PF	(KV-X25	51D ONLY) 50V
C318 1-137-098-11	ELECT 47MF FILM 0.1MF CERAMIC CHIP 100PF	10% 5%	50V 100V 50V 51D ONLY)	C1312 C1313	1-163-105-00 1-163-235-11 1-102-953-00	CERAMIC CHIP CERAMIC	22PF 18PF	5% 5%	50V 50V
C323 1-102-947-00 C327 1-163-031-11	CERAMIC 10PF CERAMIC CHIP 0.01MF	0.5PF	50V 50V		<tri< td=""><td>MMER></td><td></td><td></td><td></td></tri<>	MMER>			
C330 1-163-113-00 C331 1-137-098-11 C332 1-126-103-11	CERAMIC CHIP 68PF FILM 0.1MF	5% 10% 20%	50V 100V 16V	CT331 CT332	1-141-418-11 1-141-418-11	CAP, ADJ CAP, ADJ			
C333 1-137-102-11 C334 1-163-237-11	FILM 0.022MF CERAMIC CHIP 27PF	10 % 5 %	250V 50V		<d10< td=""><td>DE></td><td></td><td></td><td></td></d10<>	DE>			
C336 1-163-237-11 C336 1-102-816-00 C337 1-101-004-00	CERAMIC CHIP 27PF CERAMIC 120PF	5% 5%	50V 50V 50V	D301 D302 D303 D304	8-719-911-19 8-719-911-19 8-719-911-19 8-719-911-19	DIODE 1SS119 DIODE 1SS119 DIODE 1SS119 DIODE 1SS119			
C338 1-137-098-11 C339 1-137-098-11	FILM 0.1MF FILM 0.1MF	10% 10%	100V 100V	D304 D305	8-719-911-19	DIODE 1SS119			
C341 1-163-125-00 C343 1-137-094-11 C344 1-137-033-11	CERAMIC CHIP 220PF	5% 10% 10%	50V 100V 100V	D307 D309 D310 D311	8-719-110-23 8-719-911-19 8-719-110-23 8-719-110-23	DIODE RD11ES- DIODE 1SS119 DIODE RD11ES- DIODE RD11ES-	-B3		
C345 1-163-123-00	CERAMIC CHIP 180PF	5 %	507	D312	8-719-110-23	DIODE RD11ES-			



REF.NO. PART NO. DESCRIPTION REMARK REF.NO. PART NO. DESCRIPTION DISCRIPTION D	
D315 8-719-911-19 DIODE 1SS119	118/512 0
D316 8-719-911-19 D10DE 1SS119 D317 8-719-911-19 D10DE 1SS119 JR390 1-216-295-00 METAL GLAZE 0 5% 1.	/10W -X2551D ONLY)
D318 8-719-911-19 D10DE 1SS119 R301 1-249-409-11 CARBON 220 5% 1 D319 8-719-911-19 D10DE 1SS119 R302 1-249-409-11 CARBON 220 5% 1 D320 8-719-911-19 D10DE 1SS119 R303 1-249-409-11 CARBON 220 5% 1 D320 8-719-911-19 D10DE 1SS119 R303 1-249-409-11 CARBON 220 5% 1	/4W /4W /4W
D331 8-719-911-19 D10DE ISS119 D332 8-719-911-19 D10DE ISS119 D333 8-719-911-19 D10DE ISS119 D333 8-719-911-19 D10DE ISS119 R306 1-216-057-00 METAL GLAZE 2.2K 5% 1 R306 1-216-295-00 METAL GLAZE 0 5% 1	/4W /10W
D333 8-719-911-19 DIODE ISS119 D350 8-719-109-89 DIODE RD5.6ES-B2 R306 1-216-295-00 METAL GLAZE U 5% 1 (KV R307 1-216-097-00 METAL GLAZE 100K 5% 1	//10W /-X2951D ONLY) //10W
<pre></pre>	/8W
R309 1-216-025-00 METAL GLAZE 100 5% 1 DL332 1-236-062-11 MODULE, Y DELAY LINE R310 1-216-025-00 METAL GLAZE 100 5% 1 DL401 1-415-613-11 DELAY LINE, Y R311 1-216-025-00 METAL GLAZE 100 5% 1 R312 1-249-409-11 CARBON 220 5% 1	/10W /10W /10W /4W
<pre><1C></pre>	1/10W 1/8W
IC301 8-759-517-43 IC TDA4580-V7 R315 1-216-031-00 METAL GLAZE 180 5% 1 1 1 1 1 1 1 1 1	1/10W 1/10W 1/10W
R318 1-249-429-11 CARBON 10K 5% 1 1 1 1 1 1 1 1 1	1/4W 1/4W 1/8W
R3Z1 1-210-00/-00 METAL GLAZE 2.2K 36 1	1/ 0W 1/10W 1/10W
<coil> (KV 1-216-055-00 METAL GLAZE 1.8K 5% 1</coil>	V-X2551D ONLY) 1/10W
L302 1-410-868-11 INDUCTOR 4.7UH L303 1-408-406-00 INDUCTOR 5.6UH (KV-X2551D ONLY) R328 1-216-311-00 METAL GLAZE 6.8 5%	V-X2951D ONLY) 1/10W 1/10W 1/10W
R331 1-216-001-00 METAL GLAZE 10 5% L338 1-408-409-00 INDUCTOR 10UH R332 1-216-184-00 METAL GLAZE 270 5%	1/10W 1/8W
L1301 1-408-425-00 INDUCTUR 220UH	1/10W 1/10W
R335 1-247-852-11 CARBON 7.5K 5% <transistor> R336 1-216-061-00 METAL GLAZE 3.3K 5%</transistor>	1/4W 1/10W
0301 9-720-120-28 TRANSISTOR 2501623-1516 (KV-X2551D ONLY)	1/8W 1/10W
Q305 8-729-901-06 TRANSISTOR DTA144EK R339 1-216-033-00 METAL GLAZE 220 5% Q306 8-729-119-78 TRANSISTOR 2SC2785-HFE R341 1-216-031-00 METAL GLAZE 180 5% Q311 8-729-120-28 TRANSISTOR 2SC1623-L5L6 R342 1-216-041-00 METAL GLAZE 470 5%	1/10W 1/10W 1/10W 1/10W 1/10W
Q312 8-729-120-28 TRANSISTOR 2SC1623-L5L6 Q313 8-729-120-28 TRANSISTOR 2SC1623-L5L6 P346 1-216-202-00 METAL GLAZE 1.5K 5%	1/8W
Q330 8-729-216-22 TRANSISTOR 2SA1162-G R348 1-216-089-00 METAL GLAZE 47K 5% R349 1-216-045-00 METAL GLAZE 680 5% (K	1/10W 1/10W 1/10W 1/10W (V-X2551D ONLY)
	1/10W (V-X2551D ONLY)
0335 8-729-120-28 TRANSISTOR 2SC1623-L5L6 R351 1-216-033-00 METAL GLAZE 220 5%	1/10W (V-X2551D ONLY)
0382 8-729-120-28 TRANSISTOR 2SC1623-L5L6 R354 1-216-033-00 METAL GLAZE 220 5%	1/10₩
Q1305 8-729-120-28 TRANSISTOR 2SC1623-L5L6 (KV-X2951D ONLY) R356 1-216-069-00 METAL GLAZE 6.8K 5% Q1306 8-729-120-28 TRANSISTOR 2SC1623-L5L6 R357 1-216-033-00 METAL GLAZE 220 5% (K	1/10W 1/10W 1/10W (V-X2951D ONLY)
<resistor></resistor>	1/10W 1/10W
JR380 1-216-295-00 METAL GLAZE 0 5% 1/10W R360 1-216-089-00 METAL GLAZE 47K 5% (KV-X2951D ONLY) R361 1-216-057-00 METAL GLAZE 2.2K 5% R363 1-216-055-00 METAL GLAZE 1.8K 5%	1/10W 1/10W 1/10W 1/10W 1/10W

The components identified by shading and mark A are critical for safety.
Replace only with part number specified.



REF.NO.	PART NO.	DESCRIPTION		REMARK	REF.NO.	PART NO.	DESCRIPTION			REMARK
R367	1-216-047-00 1-216-059-00 1-216-033-00 1-216-033-00 1-216-023-00	METAL GLAZE METAL GLAZE METAL GLAZE METAL GLAZE METAL GLAZE	820 5% 2.7K 5% 220 5% 220 5% 82 5%	1/10W 1/10W 1/10W 1/10W 1/10W		1-567-307-11 1-567-131-00 ***********************************	**********	CRYSTAL	:*****	******
R376 R377	1-249-429-11 1-216-037-00 1-216-055-00	CARBON METAL GLAZE METAL GLAZE	10K 5% 330 5% 1.8K 5%	1/4W 1/10W (KV-X2551D ONLY) 1/10W (KV-X2951D ONLY)		*4-341-752-01	******* EYELET			
R378 R379 R380 R381 R382	1-216-097-00 1-216-089-00 1-216-071-00 1-216-093-00 1-216-105-00	METAL GLAZE METAL GLAZE METAL GLAZE METAL GLAZE METAL GLAZE	100K 5% 47K 5% 8.2K 5% 68K 5% 220K 5%	1/10W 1/10W (KV-X2551D ONLY)	F62	*1-580-690-11 *1-580-690-11 <fusi< td=""><td>PIN, CONNECTO</td><td>OR (PC BOAR) OR (PC BOAR)</td><td>D) 4P D) 4P</td><td></td></fusi<>	PIN, CONNECTO	OR (PC BOAR) OR (PC BOAR)	D) 4P D) 4P	
R383 R384 R385 R386	1-216-103-00 1-216-115-00 1-216-029-00 1-216-085-00 1-216-061-00		180K 5% 560K 5% 150 5% 33K 5% 3.3K 5%	(KV-X2951D ONLY) 1/10W 1/10W 1/10W	 	1-533-230-11 <swi< td=""><td>HOLDER, FUSE TCH></td><td>; F1601</td><td></td><td></td></swi<>	HOLDER, FUSE TCH>	; F1601		
R387 R388 R389 R390	1-216-049-00 1-216-049-00 1-216-101-00 1-216-033-00	METAL GLAZE METAL GLAZE METAL GLAZE	1K 5% 1K 5% 150K 5% 220 5%	(KV-X2951D ONLY) 1/10W 1/10W 1/10W	****	∆ 1-571-433-12 ****************** *A-1632-022-A	*********	*********** PLETE		
R392 R393 R394	1-216-025-00 1-216-021-00 1-216-021-00 1-216-021-00	METAL GLAZE METAL GLAZE	100 5% 68 5% 68 5% 68 5%	1/10W (KV-X2951D ONLY) 1/10W 1/10W	A11 A12 A13	*1-565-393-11 *1-565-393-11 *1-565-503-11	CONNECTOR, BI	DARD TO BOA DARD TO BOA	RD RD 12P	
R395 R396 R398 R401 R402	1-216-214-00 1-216-041-00 1-216-081-00 1-216-053-00 1-216-051-00	METAL GLAZE METAL GLAZE METAL GLAZE	4.7K 55 470 55 22K 55 1.5K 55 1.2K 55	(1/10W (1/10W	-	*1-560-290-00 *1-564-886-11 *1-564-881-11	PLUG, CONNEC' PLUG, CONNEC' PLUG, CONNEC' ACITOR>	TOR 9P	riich)	
R403 R404 R405 R406 R407	1-216-025-00 1-216-059-00 1-216-065-00 1-216-061-00 1-216-047-00	METAL GLAZE METAL GLAZE METAL GLAZE	100 55 2.7K 55 4.7K 55 3.3K 55 820 55	% 1/10₩	C101 C102 C104 C106 C108	1-126-233-11 1-126-103-11 1-124-910-11 1-126-233-11 1-136-165-00	ELECT ELECT ELECT ELECT	22MF 470MF 47MF 22MF 0.1MF	20% 20% 20% 20% 20%	50V 16V 50V 50V 50V
R410 R412 R1301 R1302	1-216-053-00 1-216-065-00 1-216-089-00	METAL GLAZE METAL GLAZE	270 5' 1.5K 5 4.7K 5 47K 5	% 1/10W % 1/10W % 1/10W (KV-X2951D ONLY)	C109 C111 C115 C127 C128	1-163-133-00 1-124-925-11 1-124-925-11 1-124-122-11 1-124-910-11	CERAMIC CHIP ELECT ELECT ELECT ELECT	470PF 2.2MF 2.2MF 100MF 47MF	5% 20% 20% 20% 20%	50V 50V 50V 50V 50V
R1303 R1304 R1305	1-216-089-00 1-216-097-00 1-216-001-00	METAL GLAZE	47K 5 100K 5 10 5	(KV-X2951D ONLY) % 1/10W (KV-X2951D ONLY)	C138	1-124-910-11 1-136-165-00 1-163-005-11 1-163-005-11 1-102-074-00	ELECT FILM CERAMIC CHIP CERAMIC CHIP CERAMIC	47MF 0.1MF 470PF 470PF 0.001MF	20% 5% 10% 10% 10%	50V 50V 50V 50V 50V
R1307 R1308	1-216-037-00 1-216-295-00 1-216-065-00		330 5 0 5 4.7K 5	% 1/10W (KV-X2551D ONLY)	C181	1-101-004-00 <1C>		0.01MF		50V
R1309	1-216-037-00) METAL GLAZE	330 5	% 1/10W	10103	8 8-759-979-62	IC PCF8574			
RV331		ARIABLE RESISTO 1 RES. ADJ, CA			L100 L101	<01 1-410-683-31 1-408-225-00		560UH 3.3UH		

<CRYSTAL>





REF.NO.	PART NO.	DESCRIPTION				REMARK	REF.NO.	PART NO.	DESCRIPTION			REMARK
L102 L107	1-408-413-00 1-408-397-00	INDUCTOR	22UH 1UH						NECTOR>			
LIO			10				C71 C72	*1-506-371-00 *1-568-881-51	PIN, CONNECT PIN, CONNECT	OR 2P OR 6P		
Q113		NSISTOR> TRANSISTOR 2S	C1623-1	51.6			C81 C82	*1-568-878-51 *1-508-765-00	PIN, CONNECT	OR (5MM PIT	CH) 3P	
Q114 Q115	8-729-120-28 8-729-120-28	TRANSISTOR 2S TRANSISTOR 2S	C1623- C1623-	L5L6 L5L6				<cap< td=""><td>ACITOR></td><td></td><td></td><td></td></cap<>	ACITOR>			
Q116 Q125	8-729-120-28	TRANSISTOR 2S TRANSISTOR DT	C1623-I	L5L6			C703	1-102-980-00	CERAMIC	270PF	5% (KV-X25	50V 51D ONLY)
Q126 Q181	8-729-901-06 8-729-120-28	TRANSISTOR DT TRANSISTOR 2S	A144EK	1516				1-102-820-00			5% (KV-X29	50V 051D ONLY)
AIOI	6 729 120 26	1 m m 3 1 3 1 0 m 2 3	C1025	LJLU			C704	1-102-116-00		680PF	10%	50V
		ISTOR>					C705	1-102-978-00 1-102-980-00	CERAMIC	220PF 270PF	5% (KV-X25 5%	50V 551D ONLY) 50V
JR230 JR252	1-216-295-00 1-216-296-00 1-216-296-00 1-216-296-00	METAL GLAZE METAL GLAZE	0	5% 5%	1/10W 1/8W		C706	1-102-116-00		680PF	(KV-X29	951D ONLY) 50V
JR253 JR255 JR256	1-216-296-00 1-216-296-00 1-216-296-00	METAL GLAZE METAL GLAZE METAL GLAZE	0 0 0	5% 5% 5%	1/8W 1/8W 1/8W		C707	1-162-116-00	CERAMIC	680PF	10%	2KV
JR257	1-216-296-00	METAL GLAZE	0		1/8W		C708 C709	1-162-114-00 1-102-116-00 1-123-947-00	CERAMIC CERAMIC ELECT	0.0047MF 680PF	10%	2KV 50V
JR258 R101	1-216-296-00	METAL GLAZE METAL GLAZE	0 100	5% 5% 5% 5%	1/8W 1/10W		C710 C711		CERAMIC	10MF 47PF	20% 5%	250V 50V
R105 R107	1-216-025-00 1-216-079-00 1-216-081-00	METAL GLAZE METAL GLAZE	18K 22K	5% 5%	1/10W 1/10W		C712	1-102-980-00	CERAMIC	270PF	5% (KV-X25	50V 551D ONLY)
R108	1-216-079-00	METAL GLAZE	18K	5%	1/10W			1-102-820-00	CERAMIC	330PF	5% (KV-X29	
R110 R111 R116	1-249-429-11 1-216-057-00	CARBON METAL GLAZE METAL GLAZE	10K 2.2K 82	5% 5% 5% 5%	1/4W 1/10W 1/10W		C714	1-124-360-00		1000MF	20%	16V
R118	1-216-023-00 1-216-085-00	METAL GLAZE	33K	5% 5%	1/10W 1/10W		C716 C717	1-162-622-11 1-102-114-00	CERAMIC	330PF 470PF	10% 10%	400V 50V
R128 R129	1-216-057-00	METAL GLAZE METAL GLAZE	120 2.2K	5% 5% 5%	1/10W 1/10W		C718 C719	1-102-114-00 1-102-114-00	CERAMIC	470PF 470PF	10% 10%	50V 50V
R130 R157	1-216-057-00 1-216-049-00	METAL GLAZE METAL GLAZE	2.2K 1K	5% 5% 5%	1/10W 1/10W			<dic< td=""><td>DE></td><td></td><td></td><td></td></dic<>	DE>			
R158 R159	1-249-409-11	CARBON	220		1/4W 1/4W		D701 D702	8-719-110-14 8-719-911-19	DIODE 18811	9		
R161 R162	1-249-409-11 1-216-089-00 1-216-095-00	CARBON METAL GLAZE METAL GLAZE	220 47K 82K	5% 5%	1/10W 1/10W		D703 D704 D705	8-719-911-19 8-719-911-19 8-719-911-19	DIODE 18811 DIODE 18811 DIODE 18811	9		
R163 R164	1-216-095-00 1-216-075-00	METAL GLAZE METAL GLAZE	82K 12K	5%%%%% 5%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%	1/10W 1/10W		D706	8-719-911-19				
R165	1-216-075-00	METAL GLAZE	12K	5% 5%	1/10₩		D707	8-719-911-19 8-719-911-19	DIODE 18811	9 9		
R167 R168	1-216-059-00 1-216-089-00	METAL GLAZE	47K	5%	1/10W 1/10W		D709 D710	8-719-911-19 8-719-911-19	DIODE 18811	9		
R169 R181	1-216-059-00 1-216-049-00		2.7K 1K	5% 5%	1/10W 1/10W		D711	8-719-300-33				
R182 R193	1-216-065-00 1-216-073-00		4.7K 10K	5% 5%	1/10W 1/10W		D713	8-719-911-19	NIONE 12211.	9		
R194 R195	1-216-017-00 1-216-017-00	METAL GLAZE	47 47	5% 5%	1/10W 1/10W			<jac< td=""><td>CK></td><td></td><td></td><td></td></jac<>	CK>			
R196	1-216-113-00		470K	5%	1/10W		J701	1-526-990-11	SOCKET, PIC	TURE TUBE		
	< T UI	NER>						<001	L>			
TUIOLA	1 -465-301-11	TUNER, ET (U	V-816 (I	LL))			L704	1-408-415-00	INDUCTOR	33UH		
	<1F	BLOCK>						<tr#< td=""><td>NSISTOR></td><td></td><td></td><td></td></tr#<>	NSISTOR>			
VIF101	1-466-154-11		G-389S)			Q702	8-729-119-78	TRANSISTOR			
*****	********	********	*****	*****	******	******	4101	8-729-906-70 8-729-200-17	TRANSISTOR TRANSISTOR	2SA1091-0		
	*A-1638-011-A	C BOARD, COM		(KV-X2	551D ON	LY)	Q705 Q706	8-729-119-78 8-729-906-70	TRANSISTOR TRANSISTOR			
	* A -1638-013-A		PLETE	(KV-X29	951D ON	LY)	0707 0708	8-729-200-17 8-729-119-78	TRANSISTOR TRANSISTOR			
	*4 -379-160-01			CV			9709 9710	8-729-119-78 8-729-906-70 8-729-200-17	TRANSISTOR	BF871		
	*4-379-167-01	COVER (MAIN)	, cv	~ •			4(110	0 127 200 11	11042121011	LUNITO/I U		





REF.NO.	PART NO.	DESCRIPTION				REMARK	REF . NO .	PART NO.	DESCRIPTION			REMARK
	<resi< td=""><td>STOR></td><td></td><td></td><td></td><td></td><td>C008</td><td>1-163-117-00</td><td>CERAMIC CHIP</td><td>100PF</td><td>5%</td><td>50V</td></resi<>	STOR>					C008	1-163-117-00	CERAMIC CHIP	100PF	5%	50V
R704	1-216-486-00	METAL OXIDE	8.2K	5% ·	3₩ 1/2₩	F	C009 C010	1-163-117-00 1-124-120-11	CERAMIC CHIP	100PF 220MF	5% 20%	50 V 16 V
R705 R706 R707		CARBON CARBON	3.3K 220 390	5%	1/4W 1/4W 1/4W		C011 C011 C013	1-124-120-11 1-163-031-11 1-137-098-11	CERAMIC CHIP		10%	50V 100V
R708		CARBON	47	5% 5%	1/4W		ČÕ14	1-137-098-11	FILM	O. 1MF	10%	100V
R709 R710	1-215-465-00	SOLID METAL	330K 68K 5.6K	10% 1%	1/2W 1/4W		C015	1-124-902-00 1-163-141-00	ELECT CERAMIC CHIP FILM	0.47MF 0.001MF 0.1MF	20% 5% 10%	50V 50V 100V
R711 R712 R713	1-249-417-11	CARBON CARBON METAL	5.6K 1K 120K	5% 5% 1%	1/4W 1/4W 1/4W		C017 C018 C019	1-137-098-11 1-163-127-00 1-137-094-11	CERAMIC CHIP	270PF 0.047MF	5% 10%	50V 100V
R714		METAL OXIDE	8.2K	5%	3₩	F	C021	1-163-117-00	CERAMIC CHIP	100PF		50V
R715 R716	1-202-824-00 1-249-409-11	SOLID CARBON	3.3K 220	10% 5%	1/2W 1/4W		C023 C024	1-163-117-00 1-163-117-00	CERAMIC CHIP CERAMIC CHIP	100PF	5% 5% 5%	50V 50V
R717 R718		CARBON SOLID	680 33K	5% 10%	1/4W 1/2W		C027 C030	1-124-910-11 1-163-038-00	ELECT CERAMIC CHIP	47MF 0.1MF	20%	50V 25V
R719 R720	1-249-401-11 1-249-423-11	CARBON CARBON	47 3.3K	5% 5%	1/4W 1/4W		C031 C032	1-163-081-00 1-163-081-00	CERAMIC CHIP CERAMIC CHIP	0.22MF 0.22MF		25V 25V
R721 R722	1-202-842-11 1-202-848-00	SOLID SOLID	220K 680K	10% 10%	1/2W 1/2W		C033 C034	1-163-181-00 1-124-907-11	CERAMIC CHIP ELECT	100PF 10MF	5% 20%	50V 50V
R723	1-249-417-11	CARBON	1 K	5%	1/4W		C251	1-124-903-11 1-126-233-11	ELECT ELECT	1MF 22MF	20%	50V 50V
R724 R725 R726	1-202-846-00 1-202-838-00 1-202-824-00	SOLID SOLID SOLID	470K 100K 3.3K	10%	1/2W 1/2W 1/2W		C252 C253 C254	1-163-009-11 1-137-098-11	CERAMIC CHIP	0.001MF 0.1MF	10% 10%	50V 100V
R727 R728	1-249-409-11 1-216-347-11	CARBON METAL OXIDE	220 0.68	5% 5%	1/4W 1W	F	C254 C255 C261	1-124-636-00 1-124-903-11	ELECT ELECT	3300MF 1MF	20% 20%	25V 50V
R729	1-249-416-11	CARBON	820		1/4W		C262	1-126-233-11	ELECT CERAMIC CHIP	22MF	20% 10%	50V 50V
R730 R731	1-249-401-11 1-249-423-11	CARBON CARBON	47 3.3K	5% 5%	1/4W 1/4W 1/4W		C263 C264 C265		FILM ELECT	0.001mr 0.1MF 4700MF	10% 10% 20%	100V 25V
R732 R733	1-249-415-11 1-249-415-11	CARBON CARBON	680 680	5% 5%	1/4W 1/4W		C270	1-137-035-11	FILM	0.47MF	10%	100V
R734 R735	1-249-405-11 1-215-493-00	CARBON METAL	100 1M	5% 1%	1/4W 1/4W		C501	1-124-927-11	FILM ELECT	0.47MF 4.7MF	10% 20%	100V 50V
R736 R737	1-216-486-00 1-215-491-00	METAL OXIDE METAL	8.2K 820K	5% 1%	3W 1/4W	F 51D ONLY	C502 C503 C504	1-124-927-11 1-137-049-11 1-163-121-00	ELECT FILM CERAMIC CHIP	4.7MF 0.015MF	20% 10% 5%	50V 400V 50V
	1-215-485-00	METAL	470K	12	1/4W	OID ONE!	C505		MYLAR	0.0015MF	5%	5 0 ¥
R739	1-249-417-11		1K	5%	(KV-X29 1/4₩	51D ONLY) C506 C507	1-137-102-11 1-137-033-11	FILM FILM	0.022MF 0.33MF	10% 10%	250V 100V
	ZU 4.0	IADIC DECICAD	n.				C508 C509	1-137-102-11 1-137-098-11	FILM FILM	0.022MF 0.1MF	10% 10%	250V 100V
RV701	< v ан 1-230-641-11	IABLE RESISTO		AZE 2	. 2M		C510 C511	1-161-959-00 1-108-686-11	CERAMIC MYLAR	22PF 0.0033MF	10% 10%	500V 100V
RV702 RV703	1-230-619-11	RES, ADJ, ME RES, ADJ, CA	TAL GL <i>i</i> RBON 22	AZE 1 200	10M		C512 C513	1-137-098-11 1-163-125-00	FILM CERAMIC CHIP		10% 5%	100V 50V
	1-237-749-11 ***********************************	RES, ADJ, CA					C514 * C515	1-137-031-11 1-124-903-11		0.22MF 1MF	10% 20%	100V 50V
*****	*A-1642-031-A						C516 C517	1-108-680-11 1-124-252-00	MYLAR	0.001MF 0.33MF	10% 20%	1 00V 5 0V
	*A-1642-032-A	D BOARD, COM	***** Plete				C518 C519	1-124-902-00 1-136-173-00	ELECT	0.47MF 0.47MF	20% 5%	50V 50V
	4 000 001 01	**********	****					1-136-171-00	CIIM	0.33MF	(KV-X25	51 D ONLY) 50V
	4-200-001-01 4-201-023-01 *4-341-751-01	SPACER, INSU	LATING				c520	•	CERAMIC CHIP		(KV-X29	51 D ONLY) 50V
	*4-341-752-01 *4-368-683-01	EYELET					C521	1-137-098-11	FILM	0.1MF	10%	1 00 V
							C522 C523	1-124-122-11 1-108-680-11	MYLAR	100MF 0.001MF 0.0033MF	20% 10% 5%	50V 100V 50V
C002		PACITOR> CERAMIC CHIP	በ በበ1	ME	5 %	50 V	C524 C525 C526	1-108-798-11 1-163-117-00 1-163-103-00		100PF	5% 5% 5%	50V 50V
C002 C003 C004	1-163-205-00 1-124-925-11 1-124-120-11	ELECT	2.2MF 220MF		20% 20%	50V 50V 16V					(KV-X25	51 D ONLY)
C005	1-124-903-11	ELECT	1MF		20%	50V	1	1-163-101-00	CERAMIC CHIP	22PF	5% (KV-X29	50V)51 D ONLY)



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	REF.NO.	PART NO.	DESCRIPTION			REMARK	REF.NO.	PART NO.	DESCRIPTION		REMARK
	C527 C531 C532 C533	1-137-098-11 1-124-190-00 1-124-122-11 1-137-096-11	FILM ELECT ELECT FILM	0.1MF 680MF 100MF 0.068MF	10% 10% 20% 10%	100V 25V 50V 100V	C821 & C822 C823 C824	1-137-043-11	CERAMIC CHIP 4'	(KV-	50V 400V
	C534 C536 C537 C538 C539	1-124-903-11 1-108-680-11	ELECT	0.001MF	20% 10% 20% 10% 5%	16V 16V 50V 100V 50V	C825 C16012 C16022 C16032	1-137-102-11 1-136-518-11 1-136-519-11 1-164-246-51 1-164-246-51	FILM 0 FILM 0 FILM 0 CERAMIC 0	022MF 10%	250V 300V
	C540 C592 C593 *C601 ♠	1-163-009-11 1-124-122-11 1-163-129-00 1-161-964-61 1-161-964-61	CEDAMIC CHID	100MF	10% 20% 5%	50V 50V 50V 250V	∉€16072	№ 1-161-964-61 <fil< td=""><td>CERAMICE O</td><td></td><td></td></fil<>	CERAMICE O		
		≤ 1-161-964-61 ≤ 1-161-964-61				250V		1-577-364-11		MIC	
	€604 ∧ €605	\$ 1-125-318-11 1-124-484-11 1-163-137-00	BLECT (BLOCK) ELECT CERAMIC CHIP FILM	220MF 220MF	20% 20% 5% 10%	35V 50V 63V	CF501	1-567-888-11	OSCILLATOR, CE	RAMIC	
	C608	1-124-927-11		-	20%	50V 50V	D1	*1-568-881-51	PIN. CONNECTOR	6P	
	C611 C612 C613 C614	1-124-910-11	ELECT MYLAR FILM	47MF 0.001MF 0.0022MF 330PF	20% 10% 3% 10%	50V 100V 2KV 500V	D2 D11 D12 D18	*1-568-882-51 *1-565-394-11 *1-565-394-11	PIN, CONNECTOR PIN, BOARD TO PIN, BOARD TO PLUG, CONNECTO	: 7P BOARD CONNECTO BOARD CONNECTO)R
	C615 C616 C617 C618 C619	1-102-030-00 1-124-122-11 1-162-115-00	ELECT CERAMIC ELECT CERAMIC ELECT	1500MF 330PF 100MF 330PF 2200MF	20% 10% 20% 10% 20%	25V 500V 50V 2KV 16V	D21 D22 D31 D32 D33	*1-565-394-11 *1-565-394-11 *1-565-394-11	PIN, BOARD TO PIN, BOARD TO PIN, BOARD TO PIN, BOARD TO PIN, BOARD TO	BOARD CONNECTO BOARD CONNECTO BOARD CONNECTO	DR DR DR
	C620 C621 C622 C623 C624	1-136-173-00 1-124-347-00 1-128-320-11 1-124-910-11 1-124-122-11	FILM ELECT ELECT ELECT ELECT	0.47MF 100MF 2200MF 47MF 100MF	5% 20% 20% 20% 20%	50V 160V 16V 50V 50V	D41 D44 D45 D51 D62	*1-566-367-11 *1-568-881-51 *1-568-881-51 *1-566-367-11 *1-565-395-11	CONNECTOR, HIN PIN, CONNECTOR PIN, CONNECTOR CONNECTOR, HIN PIN, CONNECTOR	l 6P l 6P IGE (RECEPTACLE	
	C625 C626 C627 C631 C632	1-163-009-11	ELECT CERAMIC CHIF ELECT	4.7MF	20% 20% 10% 20% 10%	16V 50V 50V 50V 50V	D65 D66 D82 D83 D84	*1-508-786-00	PIN, CONNECTOR PIN, CONNECTOR PIN, CONNECTOR PIN, CONNECTOR CONNECTOR PIN	R (5MM PITCH) 2 R (5MM PITCH) 3 R (5MM PITCH) 2	2P 3P
	C633 C801 C802 C804	1-163-117-00 1-126-105-11 1-102-030-00 1-123-948-00	CERAMIC CHIF ELECT CERAMIC	2 100PF 1000MF 330PF	5% 20% 10% 20%	50V 35V 500V 250V	D88 D801	*1-568-878-51 *1-508-765-00	PIN, CONNECTOR PIN, CONNECTOR	R 3P (KV-X2951I R (5MM PITCH) 3	O ONLY) BP
	C805	1-162-114-00	CERAMIC	0.0047MF	20%	2KV	1	<dio< td=""><td>DE></td><td></td><td></td></dio<>	DE>		
	C806 C807 C810 C811 C812	1-137-098-11 1-106-395-00 1-123-024-21 1-136-113-00 1-124-634-11	MYLAR ELECT FILM	0.1MF 0.15MF 33MF 2MF 1MF	10% 10% 5% 20%	100V 200V 160V 200V 250V	D001 D002 D003 D005 D006	8-719-109-97 8-719-109-97 8-719-911-19 8-719-109-89 8-719-982-24	DIODE RD6.8ES- DIODE RD6.8ES- DIODE 1SS119 DIODE RD5.6ES- DIODE MTZJ-33/	-B2 -B2	
	C813 C814 A C815	1-102-212-00 1-161-731-51 1-136-111-00	CERAMIC FILM	820PF 0.001MF 1MF 0.82MF	10% 10% 5% (KV-X2' 5%	500V 2KV 200V 551D ONLY) 200V	D007 D009 D010 D011 D012	8-719-982-08 8-719-109-89 8-719-921-54 8-719-921-54 8-719-911-19	DIODE MTZJ-3.9 DIODE RD5.6ES- DIODE MTZJ-6.2 DIODE MTZJ-6.2 DIODE 1SS119	-B2 2B	
		1-136-540-11 2-1-136-565-11 2-1-136-591-11	HUN 5	0.015MF	(KV-X2) 3% (KV-X2) 3%	2007 951D ONLY) 1.4KV 551D ONLY) 1.4KV 951D ONLY)	D013 D271 D272 D501	8-719-109-97 8-719-921-88 8-719-911-19 8-719-911-19 8-719-911-55	DIODE RD6.8ES- DIODE MTZJ-13E DIODE 1SS119 DIODE 1SS119 DIODE UO5G		
	C818 A C819 A C820	1-129-721-51 1-161-731-51 1-137-046-11 1-162-116-51	FILM CERANIC FILM	0.039MF 0.001MF 0.0082MF	10% 10% 10%	630V 2KV 400V 2KV 551D ONLY)	D506 D508 D509	8-719-911-19	DIODE 1SS226 DIODE 1SS119 DIODE 1SS119	(KV-X2551D ONL	Y)



REF.NO.	PART NO.	DESCRIPTION	REMARK	REF.NO.	PART NO.	DESCRIPTION	REMARK
D511 D512 D513 D514 D515	8-719-911-19 8-719-911-19	DIODE UOSG DIODE UZ-4.7BSC DIODE 1SS119 (KV-X2951D ONLY) DIODE 1SS119 (KV-X2951D ONLY)		L803 L804	1-459-104-00 1-408-239-00	COIL, HCC DUST CORE 3. COIL, WITH CORE INDUCTOR 4.7MMH COIL, HORIZONTAL LINE	(KV-X2951D ONLY) ARITY
D601 A D602 D603 D604 D605	8-719-300-33 8-719-911-55 8-719-911-55	DIODE UOSG DIODE UOSG DIODE UOSG		L806	1-459-111-00	COIL, HORIZONTAL LINE COIL, DRAM CORE (CDI) COIL, HCC DUST CORE 3.	ARITY (KV-X2951D ONLY) (KV-X2551D ONLY)
D606 D607 D608 D609 D610	8-719-300-33 8-719-300-33	DIODE RU-3AM DIODE RU-3AM DIODE RU-3AM DIODE MTZJ-33A DIODE CTU-12S		L809	1-420-872-00 .1-421-982-12 .1-421-794-51	COIL, AIR CORE PMC (KV-X2551D ONLY) TRANSFORMER, FERRITE	(KV-X2951D ONLY)
D611 D612 D613 D614 D616	8-719-900-26 8-719-300-59 8-719-979-85 8-719-979-85 8-719-921-54	DIODE ERD29-08J		3.5		NSFORMER>	(KV-X2951D ONLY)
D617 D618 D619 D620	8-719-911-19 8-719-109-89 8-719-982-24 8-719-800-76	DIODE ISS119 DIODE RD5.6ES-B2 DIODE MTZJ-33A DIODE ISS226		LF1602 LF1603 T601	▲ 1-421-776-21 ▲ 1-421-862-11 ▲ 1-450-038-11 ▲ 1-450-037-11	TIPT - TO THE TOTAL THE TOTAL TO THE TOTAL TOTAL TO THE T	
D621 D622 D623 D624 D630 D801	8-719-982-24 8-719-911-19 8-719-911-19 8-719-911-19 8-719-921-91 8-719-300-33	DIODE MTZJ-33A DIODE ISS119 DIODE ISS119 DIODE ISS119 DIODE MTZJ-15A DIODE RU-3AM		TROL	▲ 1-437-090-21 ▲ 1-439-416-51	HOT TRANSFORMER ASSY, FI	
D802 D803 D804 D805 D806	8-719-300-33 8-719-976-64 8-719-911-55 8-719-911-55 8-719-945-80	DIODE RU-3AM DIODE RGP02-17 DIODE UO5G DIODE UO5G DIODE ERC06-15S		PS602/ PS603/	k 1-532-984-91 k 1-532-679-91	LINK, IC (ICP-N50) 2/ LINK, IC (ICP-N50) 2/ LINK, IC (ICP-N15) 0. LINK, IC (ICP-N50) 2/	6A
D807	8-719-945-80	DIODE ERCO6-15S				NSISTOR>	
D808		DIODE ERD29-08J		Q001 Q002 Q003 Q004 Q005	8-729-901-01 8-729-216-22 8-729-216-22	TRANSISTOR DTC144EK TRANSISTOR DTC144EK TRANSISTOR 2SA1162-G TRANSISTOR 2SA1162-G TRANSISTOR DTC144EK	
1 C002 1 C003 1 C005	8-759-000-47 8-759-945-58	IC SDA20560-A012 IC MC14051BCP IC RC4558P IC SDA2546 IC TDA2050		Q006 Q007 Q008 Q009 Q010	8-729-120-28 8-729-120-28 8-729-120-28	TRANSISTOR DTC144EK TRANSISTOR 2SC1623-L' TRANSISTOR 2SC1623-L' TRANSISTOR 2SC1623-L' TRANSISTOR 2SC1623-L'	5L6 5L6
1C261 1C501 1C502	4-812-134-00 8-759-988-94 4-812-134-00 8-759-970-73 8-759-944-57	RIVET NYLON, 3.5; IC251 IC TDA2050 RIVET NYLON, 3.5; IC261 IC TEA2028B IC TDA8170		Q251 Q261 Q271 Q502 Q505		TRANSISTOR 2SC1623-LTRANSISTOR 2SC1623-LT	5L6 5L6
1C601 1C604 1C608		IC LM7812CT		Q506 Q507 Q598 Q601 Q602	8-729-140-97 8-729-216-22 8-729-216-22 8-729-122-03 8-729-209-02	TRANSISTOR 2SA1162-G TRANSISTOR 2SA1162-G TRANSISTOR 2SA1220A-	P
L501 L601 L602 L603 L604	1-408-225-00 1-420-872-00 1-410-396-41	INDUCTOR 3.3UH COIL, AIR CORE FERRITE BEAD INDUCTOR FERRITE BEAD INDUCTOR		Q603 Q604 Q605 Q606 Q607	8-729-122-03 8-729-216-22 8-729-120-28 8-729-120-28 8-729-920-92	TRANSISTOR 2SA1220A- TRANSISTOR 2SA1162-G TRANSISTOR 2SC1623-L TRANSISTOR 2SC1623-L	P 5L6 5L6
L605 L606 L607	1-459-585-11 1-412-529-11 1-410-671-31	INDUCTOR 22UH		Q608 Q609 Q801	8-729-120-28 8-729-320-62 8-729-120-28		



REF.	NO. PART NO.	DESCRIPTION			REMARK	REF.NO.	PART NO.	DESCRIPTION			REMARK
Q80 Q80	4 8-729-304-50	TRANSISTOR 2SD TRANSISTOR 2SC	1941-0 2688-1	6 K		R058	1-216-049-00	METAL GLAZE		5%	1/10W
Ų OU		SISTOR>	2000 L	· N		R059 R060 R061	1-216-049-00 1-216-049-00 1-216-065-00	METAL GLAZE METAL GLAZE METAL GLAZE	1K 1K 4.7K	5% 5% 5%	1/10W 1/10W 1/10W
JR1 JR3	1-216-296-00 1-216-296-00	METAL GLAZE METAL GLAZE	0	5% 1/8W 5% 1/8W 5% 1/10W		R062 R063	1-216-049-00 1-216-049-00	METAL GLAZE METAL GLAZE	1 K	5% 5%	1/10W 1/10W
JR4 JR7 ROO	1-216-295-00 1-216-296-00	METAL GLAZE METAL GLAZE	0	5% 1/10W 5% 1/8W 5% 1/10W		R064 R065 R066 R067	1-216-049-00 1-216-049-00 1-216-049-00 1-216-073-00	METAL GLAZE METAL GLAZE METAL GLAZE METAL GLAZE	1 K 1 K 1 K 1 O K	5% 5% 5%	1/10W 1/10W 1/10W 1/10W
R00: R00: R00	3 1-216-198-00 4 1-216-049-00	METAL GLAZE METAL GLAZE	1 K 1 K	5% 1/10% 5% 1/8W 5% 1/10%	•	R068	1-216-174-00 1-216-174-00	METAL GLAZE METAL GLAZE		5% 5%	1/8W 1/8W
R00 R00	5 1-216-081-00 6 1-216-073-00	METAL GLAZE METAL GLAZE	10K	5% 1/10V 5% 1/10V)	R070 R071 R072	1-216-198-00 1-216-198-00 1-216-222-00 1-216-073-00	METAL GLAZE METAL GLAZE METAL GLAZE METAL GLAZE	1 K 1 K 1 O K 1 O K	5% 5% 5% 5% 5%	1/8W 1/8W 1/8W 1/10W
R00 R00 R00 R01	8 1-216-073-00 9 1-216-073-00	METAL GLAZE METAL GLAZE	4.7K. 10K 10K 470	5% 1/10V 5% 1/10V 5% 1/10V 5% 1/10V 5% 1/10V)]	R073 R075 R076	1-216-041-00 1-216-073-00	METAL GLAZE METAL GLAZE METAL GLAZE	470 10K	5% 5%	1/10W 1/10W
RO1 RO1	2 1-216-073-00) METAL GLAZE	10K	5% 1/10	; ,	R077 R078 R079	1-216-049-00 1-216-198-00 1-216-073-00	METAL GLAZE METAL GLAZE METAL GLAZE	1 K 1 K	5% 5% 5%	1/10W 1/8W 1/10W
R01 R01 R01	5 1-216-061-00 6 1-216-085-00) METAL GLAZE) METAL GLAZE	33K	5% 1/100 5% 1/100 5% 1/100 5% 1/100	Ų Ų	R080 R081 R083	1-216-073-00 1-216-073-00 1-216-049-00	METAL GLAZE METAL GLAZE METAL GLAZE	10K 10K 1K	5% 5% 5%	1/10W 1/10W 1/10W
RO1 RO1 RO1	8 1-216-095-00) METAL GLAZE	39K 82K 100	5% 1/100 5% 1/100 5% 1/100 5% 1/100	Ų	R084 R085	1-216-049-00 1-216-049-00	METAL GLAZE METAL GLAZE	1 K	5% 5% 5%	1/10W 1/10W
R02 R02 R02	0 1-216-025-0 1 1-216-065-0	O METAL GLAZE O METAL GLAZE	100 4.7K 4.7K	5% 1/10 5% 1/10 5% 1/10	N N	R086 R087 R088	1-216-049-00 1-216-035-00 1-216-059-00	METAL GLAZE METAL GLAZE METAL GLAZE	2.7K	5% 5%	1/10W 1/10W 1/10W
R02 R02	5 1-216-073-0	O METAL GLAZE	10K 10K	5% 1/10 5% 1/10	W	R093 R094 R095	1-216-073-00 1-216-073-00 1-216-073-00	METAL GLAZE METAL GLAZE METAL GLAZE	10K 10K 10K	5% 5%	1/10W 1/10W 1/10W
R02 R02 R02	7 1-216-025-0	O METAL GLAZE	220 100 100	5% 1/10 5% 1/10 5% 1/8W 5% 1/10 5% 1/10	ليا	R096 R098 R251	1-216-073-00 1-216-049-00 1-216-065-00	METAL GLAZE METAL GLAZE METAL GLAZE	1 K	5%% 5%% 5%% 5%%	1/10W 1/10W 1/10W
R02 R03 R03	0 1-216-073-0 1 1-216-081-0	O METAL GLAZE O METAL GLAZE	10K 10K 22K	5% 1/10 5% 1/10 5% 1/10 5% 1/10	W	R252	1-216-039-00 1-216-073-00	METAL GLAZE		5% 5% 5%	1/10W 1/10W
R03 R03	3 1-216-073-0	O METAL GLAZE	10K 10K	5% 1/10	W	R254 R255 R256 R257	1-216-357-00 1-216-073-00 1-216-115-00 1-216-077-00	METAL OXIDE METAL GLAZE METAL GLAZE METAL GLAZE	4.7 10K 560K 15K	5% 5% 5% 5%	1W F 1/10W 1/10W 1/10W
R03 R03 R03 R03	5 1-216-081-0 6 1-216-083-0	O METAL GLAZE O METAL GLAZE	15K 22K 27K 6.8K	5% 1/10 5% 1/10	W		1-215-869-11	METAL OVIDE	117	59	1 M F
R03	8 1-216-069-0 9 1-216-081-0	O METAL GLAZE	6.8K 22K	5% 1/10	₩	R261 R262 R263	1-216-065-00 1-216-039-00 1-216-073-00	METAL GLAZE METAL GLAZE METAL GLAZE	4.7K 390 10K	5% 5% 5%	1/10W 1/10W 1/10W 1/10W 1/10W
R04 R04 R04	1 1-216-073-0 2 1-216-049-0	O METAL GLAZE O METAL GLAZE	15K 10K 1K	5% 1/10 5% 1/10 5% 1/10 5% 1/10 5% 1/10	₩ ₩	R264 R265	1-216-357-00 1-216-073-00	METAL OXIDE METAL GLAZE	4.7 10K 560K	5% 5% 5% 5%	1W F 1/10W 1/10W
RO4 RO4 RO4	4 1-216-097-0	O METAL GLAZE	470 100K 3.3K		W	R266 R267 R268	1-216-115-00 1-216-077-00 1-215-869-11		15K 1K	5% 5%	1/10W 1/10W 1W F
RO4 RO4 RO4	6 1-216-095-0	O METAL GLAZE O METAL GLAZE	82K 10K 10K	5% 1/10 5% 1/10 5% 1/10 5% 1/10 5% 1/10	I₩ I₩	R269 R270 R271	1-216-065-00 1-216-073-00 1-216-045-00	METAL GLAZE METAL GLAZE	4.7K 10K 680	5% 5% 5% 5%	1/10W 1/10W 1/10W
R04 R05 R05	9 1-216-073-0 0 1-216-067-0	OO METAL GLAZE OO METAL GLAZE	10K 5.6K	5% 1/10 5% 1/10)₩	R272 R273	1-216-073-00 1-216-073-00 1-216-073-00	METAL GLAZE	10K 10K 10K		1/10W 1/10W 1/10W
R05 R05	1-216-049-0 1-216-049-0	O METAL GLAZE	470 1K 1K	5% 1/10 5% 1/10 5% 1/10)₩	R274 R500 R501 R502	1-216-115-00 1-216-041-00 1-216-033-00	METAL GLAZE METAL GLAZE METAL GLAZE	560K 470 220	5% 5% 5% 5%	1/10W 1/10W 1/10W
RO5 RO5 RO5	5 1-216-037-0 6 1-216-073-0	OO METAL GLAZE OO METAL GLAZE	1K 330 10K	5% 1/10 5% 1/10 5% 1/10 5% 1/10)₩)₩	R503	1-216-035-00 1-249-420-11	METAL GLAZE CARBON	270 1.8K	5% 5% 5%	1/10W 1/4W 1/10W
R05	7 1-216-025-0	O METAL GLAZE	100	5% 1/10	J W	¦ R505	1-216-077-00	METAL GLAZE	15K	76	1/10#



REF.NO.	PART NO.	DESCRIPTION				REMARK	REF.NO.	PART NO.	DESCRIPTION			REMARK
R506 R509 R510 R514 R515	1-216-071-00 1-216-063-00 1-216-067-00 1-216-033-00 1-216-061-00	METAL GLAZE METAL GLAZE METAL GLAZE METAL GLAZE METAL GLAZE	8.2K 3.9K 5.6K 220 3.3K	5% 5% 5% 5%	1/10W 1/10W 1/10W 1/10W 1/10W		R606 R607	1-216-051-00 1-216-065-00 1-216-067-00	METAL GLAZE METAL GLAZE METAL GLAZE	1.2K 4.7K 5.6K	5%	1/10W 1/10W (KV-X2551D ONLY) 1/10W (KV-X2951D ONLY)
R517 R518 R519 R520 R521	1-216-073-00 1-216-089-00 1-216-081-00 1-216-037-00 1-216-025-00	METAL GLAZE METAL GLAZE METAL GLAZE METAL GLAZE METAL GLAZE	10K 47K 22K 330 100	5% 5% 5% 5%	1/10W 1/10W 1/10W 1/10W 1/10W		R608 R609 R610 R611 R612	1-216-015-00 1-216-049-00	CARBON METAL GLAZE METAL GLAZE	18K 18 680K 39 1K	5% 5% 5% 5% 5%	3W F 1/10W 1/2W 1/10W 1/10W
R522 R523 R524 R525	1-215-469-00 1-216-049-00 1-216-057-00 1-216-049-00	METAL METAL GLAZE METAL GLAZE METAL GLAZE	100K 1K 2.2K 1K	5% 5% 5%	1/4W 1/10W 1/10W 1/10W (KV-X255	1D ONLY)	R613 R614 R616 R617 R618	1-216-097-00 1-205-758-11 1-216-099-00 1-216-037-00 1-216-431-11	METAL GLAZE WIREWOUND METAL GLAZE METAL GLAZE METAL OXIDE	100K 100 120K 330 560	5% 10% 5% 5% 5% 5%	1/10W 10W F 1/10W 1/10W 1W F
R526 R527 R528 R529 R530	1-249-409-11 1-216-077-00 1-216-031-00 1-216-069-00 1-249-448-11	CARBON METAL GLAZE METAL GLAZE METAL GLAZE CARBON	220 15K 180 6.8K 1.2	5% 5% 5% 5%	1/4W 1/10W 1/10W 1/10W 1/4W		R619 R620 R621 R622 R623	1-216-073-00 1-216-081-00 1-216-077-00 1-216-073-00 1-216-081-00	METAL GLAZE METAL GLAZE METAL GLAZE METAL GLAZE METAL GLAZE	10K 22K 15K 10K 22K	5% 5% 5% 5% 5% 5%	1/10W 1/10W 1/10W 1/10W 1/10W
R531 R532 R533 R534 R535	1-216-099-00 1-216-049-00 1-216-295-00 1-216-119-00 1-249-749-00	METAL GLAZE METAL GLAZE METAL GLAZE METAL GLAZE CARBON	120K 1K 0 820K 2.2M	5% 5% 5% 5%	1/10W 1/10W 1/10W 1/10W 1/4W		R624 R625 R626 R628 R629	1-216-067-00 1-215-865-11 1-216-037-00 1-216-001-00 1-216-037-00	METAL GLAZE METAL OXIDE METAL GLAZE METAL GLAZE METAL GLAZE	220 330 10 330	5% 5% 5% 5% 5% 5%	1/10V 1W F 1/10V 1/10V 1/10V
R536 R537 R538 R539 R540	1-216-129-00 1-216-083-00 1-216-101-00 1-216-101-00 1-216-013-00	METAL GLAZE METAL GLAZE METAL GLAZE METAL GLAZE METAL GLAZE	2.2M 27K 150K 150K 33	55%%%%%	1/10W 1/10W 1/10W 1/10W 1/10W		R631 R633 R634 R635	1-216-465-11 1-216-049-00 1-216-430-11 1-216-073-00	METAL OXIDE METAL GLAZE METAL OXIDE METAL GLAZE	27K 1K 390 10K	5% 5% 5% 5% 5%	2W (KV-X2551D ONLY) 1/10V 1W F 1/10V
R541 R542 R543 R544 R545	1-216-091-00 1-216-308-00 1-249-451-11 1-247-745-11 1-216-081-00	METAL GLAZE METAL GLAZE CARBON CARBON METAL GLAZE	56K 4.7 2.2 330 22K	5%%%%% 5%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%	1/10W 1/10W 1/4W 1/2W 1/10W		R636 R643 R651 R653 R802	1-216-073-00 1-217-189-21 1-216-025-00 1-205-758-11 1-249-443-11	CARBON	10K 0.12 100 100 0.47	5% 5% 5% 10% 5%	1/10V 2W F 1/10V 10W F 1/4W F
R546 R547 R548 R549 R550	1-216-083-00 1-216-061-00 1-216-349-00 1-216-454-11 1-216-095-00	METAL GLAZE METAL GLAZE METAL OXIDE METAL OXIDE METAL GLAZE	27K 3.3K 1 390 82K	55%%%%		F F	R805 R806 R807 R809 R810	1-249-448-11 1-216-093-00 1-215-869-11 1-202-821-11 1-202-818-00	CARBON METAL GLAZE METAL OXIDE SOLID SOLID	1.2 68K 1K 1.8K 1K	5% 5% 10% 10%	1/4W F 1/10V 1W F 1/2W 1/2W
R551 R553 R554 R555 R556	1-216-129-00 1-215-869-11 1-216-037-00 1-216-129-00 1-216-025-00	METAL GLAZE METAL OXIDE METAL GLAZE METAL GLAZE METAL GLAZE	2.2M 1K 330 2.2M 100	5% 5%	1/10W 1W 1/10W 1/10W 1/10W		R811	1-215-882-00 1-249-494-11 1-247-281-00	METAL OXIDE CARBON CARBON	22 68K 51K	5% 5% 5%	2W F 1/2W (KV-X2/51D ONLY) 1/2W (KV-X2/51D ONLY)
R557 R558 R559 R560 R561	1-216-065-00 1-216-113-00 1-216-069-00 1-216-037-00 1-216-107-00	METAL GLAZE METAL GLAZE METAL GLAZE METAL GLAZE METAL GLAZE	4.7K 470K 6.8K 330 270K	5% 5% 5% 5% 5%	1/10W 1/10W 1/10W 1/10W 1/10W		R815 R816 R817 R820 R821	1-215-884-11 1-215-868-00 1-216-049-00 1-249-403-11 1-247-725-11	METAL OXIDE METAL OXIDE METAL GLAZE CARBON CARBON	47 680 1K 68 10K	5% 5%%%%%% 55%%%%%%%%%%%%%%%%%%%%%%%%%	2W F 1W F 1/10) 1/4W 1/4W F
R570	1-216-045-00	METAL GLAZE	680	5 %	(KV-X295 1/10W (KV-X295		R822	1-217-778-11	FUSIBLE METAL OXIDE	1K 0.47 100K		1W F 1W F 1/10i
R591 R592	1-216-047-00 1-216-049-00	METAL GLAZE	820 1K	5% 5%	1/10W 1/10W		R826 R827 R828 R829	1-216-097-00 1-216-073-00 1-216-059-00 1-216-051-00	METAL GLAZE METAL GLAZE METAL GLAZE METAL GLAZE	10K 10K 2.7K 1.2K	5% 5% 5% 5% 5%	1/10 1/10 1/10 1/10
R593 R594 R597 R598 R600	1-216-053-00 1-216-071-00 1-216-041-00 1-215-900-11 1-249-381-11	METAL GLAZE METAL GLAZE METAL GLAZE METAL OXIDE CARBON	1.5K 8.2K 470 22K 1	5% 5% 5% 5% 5% 5%	1/10W 1/10W 1/10W 2W 1/4W	F	R831 R16014 R16024	1-249-451-11 1-246-513-75 1-244-945-91 1-217-328-11	CARBON CARBON CARBON	2.2 47K 10	5%	1/4W
R601 R603 R604 R605	1-216-353-00 1-216-469-11 1-216-025-00 1-216-081-00	METAL OXIDE METAL OXIDE METAL GLAZE METAL GLAZE	2.2 12 100 22K	5% 5% 5%		F F	R1604A	L 1-246-513-75	CARBON METAL GLAZE	+ 47k =	57	1740 1710







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	REF.NO.	PART NO.	DESCRIPTION				REMARK		PART NO.	DESCRIPTION				REMARK
	R5503	1-216-308-00 1-216-001-00	METAL GLAZE METAL GLAZE	- "	(1/10W	ID ONLY)	R765	1-249-429-11 1-249-455-11 1-249-455-11 1-247-753-11		10K 4.7 4.7 1.2K	5% 5% 5%	1/4W 1/4W 1/4W 1/2W	
	R5504	1-216-121-00	METAL GLAZE	_	%	1/10W	TO ONDIT	R767	1-247-751-11	CARBON	820	5% 5%	1/2W	_
	R5505 R5506	1-216-001-00 1-216-075-00	METAL GLAZE METAL GLAZE	10 12K	%	1/10W 1/10W KV-X295	1D ONLY)	R768 R769	1-215-887-00 1-212-889-00	METAL OXIDE FUSIBLE	150 220	5% 5%	2W 1/4W	F F
		< V A R	IABLE RESISTO	R>						NECTOR>	n 20			
	RV502	1-238-013-11 1-238-016-11 1-238-011-11	RES. ADJ. CA	RBON 10K	ζ			VM88	*1-568-878-51 *1-568-878-51 ******	PIN, CONNECTO	R 3P	*****	:*****	******
			RK GAP>						*A-1645-013-A	V BOARD, COMF	LETE			
	SG801	1-519-422-11	GAP, SPARK		•			 	<ca1< td=""><td>PACITOR></td><td></td><td></td><td></td><td></td></ca1<>	PACITOR>				
		<the< td=""><td>ALLOW MINISTER STATE OF THE STA</td><td></td><td></td><td></td><td></td><td>C1 C2 C3 C4 C5</td><td>1-126-101-11 1-163-038-00 1-124-120-11 1-163-077-00 1-124-120-11</td><td>CERAMIC CHIP</td><td>220MF</td><td></td><td>20% 20% 20%</td><td>16V 25V 16V 50V 16V</td></the<>	ALLOW MINISTER STATE OF THE STA					C1 C2 C3 C4 C5	1-126-101-11 1-163-038-00 1-124-120-11 1-163-077-00 1-124-120-11	CERAMIC CHIP	220MF		20% 20% 20%	16V 25V 16V 50V 16V
		*1-634-193-11 <ca< td=""><td>VM BOARD (KV ********</td><td>V-X2951D</td><td>ONLY</td><td>)</td><td></td><td>C6 C10 C11 C12 C13</td><td>1-163-038-00 1-163-038-00 1-163-038-00 1-163-038-00 1-163-038-00</td><td>CERAMIC CHIP CERAMIC CHIP</td><td>0.1MF 0.1MF 0.1MF</td><td></td><td></td><td>25V 25V 25V 25V 25V</td></ca<>	VM BOARD (KV ********	V-X2951D	ONLY)		C6 C10 C11 C12 C13	1-163-038-00 1-163-038-00 1-163-038-00 1-163-038-00 1-163-038-00	CERAMIC CHIP CERAMIC CHIP	0.1MF 0.1MF 0.1MF			25V 25V 25V 25V 25V
	C751 C752 C753	1-101-361-00 1-108-629-11 1-137-047-11	MYLAR	150PF 0.018MF 0.01MF		5% 10% 10%	50V 100V 400V	C14 C15 C16	1-124-927-11 1-124-927-11 1-163-141-00	ELECT	4.7MF 4.7MF 0.001	MF	20% 20% 5%	50V 50V 50V
	C754 C757	1-102-980-00 1-108-692-11	CERAMIC	270PF 0.01MF		5% 10%	50V 200V	C17 C18	1-163-141-00 1-163-141-00		0.001	MF MF	5% 5%	50V 50V
	C759 C760 C761 C762	1-124-907-11 1-124-917-11 1-101-006-00 1-137-047-11	ELECT CERAMIC	10MF 33MF 0.047MF 0.01MF	;	20% 20% 10%	50V 50V 50V 400V	C26 C27 C28 C29 C32	1-163-038-00 1-163-117-00 1-163-117-00 1-163-117-00 1-163-038-00	CERAMIC CHIP CERAMIC CHIP CERAMIC CHIP	100PF 100PF 100PF		5% 5% 5%	25V 50V 50V 50V 25V
		<c0< td=""><td>IL></td><td></td><td></td><td></td><td></td><td>C33</td><td>1-163-038-00</td><td>CERAMIC CHIP</td><td>0.1MF</td><td></td><td></td><td>25V</td></c0<>	IL>					C33	1-163-038-00	CERAMIC CHIP	0.1MF			25 V
	L751 L770	1-408-413-00 1-410-665-31	INDUCTOR INDUCTOR	22UH 15UH					<c0< td=""><td>NNECTOR></td><td></td><td></td><td></td><td></td></c0<>	NNECTOR>				
			ANSISTOR>					CNV1	*1-565-393-11 *1-565-393-11	CONNECTOR, B	OARD T	O BOAR	RD RD	
	Q751	8-729-119-78	TRANSISTOR					0.112						
	Q752 Q753 Q754	8-729-119-78 8-729-140-97 8-729-140-96	TRANSISTOR	2SB734-3	4			D1	الب> 8-719-105-91	ODE> DIODE RD5.6M	I-B2			
	•		ESISTOR>					D3 D4 D5 D6	8-719-914-44 8-719-400-18 8-719-914-44 8-719-400-18	B DIODE MA152W DIODE DAP202	VK 2K			
	R751 R752	1-249-418-11 1-249-426-11	CARBON	1.2K 5.6K	5% 5%	1/4W 1/4W		D7	8-719-105-5					
	R753 R754 R755	1-249-414-1 1-249-434-1 1-249-405-1	1 CARBON	560 27K 100	5% 5% 5%	1/4W 1/4W 1/4W		D9	8-719-106-1		. 04			
	R756 R757	1-249-419-1 1-249-405-1	1 CARBON	1.5K 100	5% 5%	1/4W 1/4W		101	<i 8-759-039-1</i 		-B002			
	R758 R760 R761	1-249-405-1 1-249-409-1 1-249-411-1 1-249-429-1	1 CARBON 1 CARBON	220 330 10K	5% 5% 5%	1/4W 1/4W 1/4W		1C2 1C3	8-759-045-5		E/M4A			
	R762	1-247-895-0	O CARBON	470K	5%	1/4W		Ì	<c< td=""><td>DIT></td><td></td><td></td><td></td><td></td></c<>	DIT>				



REF.NO.	PART NO.	DESCRIPTION		REMARK	REF.NO.	PART NO.	DESCRIPTION			REMARK
L1 L2 L3 L4	1-408-403-00 1-408-407-00 1-408-407-00 1-408-407-00	INDUCTOR INDUCTOR INDUCTOR INDUCTOR INDUCTOR	3.3UH 6.8UH 6.8UH 6.8UH		R17 R18 R19 R20	1-216-013-00 1-216-025-00 1-216-025-00 1-216-041-00	METAL GLAZE METAL GLAZE METAL GLAZE METAL GLAZE	33 5% 100 5% 100 5% 470 5%	1/10W 1/10W 1/10W 1/10W	
	<10 1	LINK>			R21 R22 R23 R24	1-216-041-00 1-216-168-00 1-216-214-00 1-216-055-00 1-216-065-00	METAL GLAZE METAL GLAZE METAL GLAZE METAL GLAZE METAL GLAZE	470 5% 56 5% 4.7K 5% 1.8K 5% 4.7K 5%	1/10W 1/8W 1/8W 1/10W 1/10W	
	< T R A	NSISTOR>			R26 R27	1-216-049-00 1-216-214-00	METAL GLAZE METAL GLAZE	1K 5% 4.7K 5% 5.6K 5%	1/10W 1/8W 1/10W	
Q1 Q2 Q3	8-729-920-92	TRANSISTOR DT TRANSISTOR 2S	D2096-EF	•	R34 R35	1-216-067-00 1-216-065-00 1-216-065-00	METAL GLAZE METAL GLAZE METAL GLAZE	5.6K 5% 4.7K 5% 4.7K 5%	1/10W 1/10W 1/10W	
Q4 Q5	8-729-120-28	TRANSISTOR 2S TRANSISTOR 2S TRANSISTOR 2S	C1623-L5L		R40 R41 R42	1-216-065-00 1-216-065-00 1-216-049-00	METAL GLAZE METAL GLAZE METAL GLAZE	4.7K 5% 4.7K 5% 1K 5%	1/10W 1/10W 1/10W	
Q6 Q7 Q8	8-729-807-87	TRANSISTOR 2S TRANSISTOR 2S TRANSISTOR 2S	B1295-UL6	ń	R44 R46	1-216-295-00 1-216-065-00	METAL GLAZE METAL GLAZE	0 5% 4.7K 5%	1/10W 1/10W	
•		ISTOR>	01025 252		R47 R49 R50	1-216-065-00 1-216-049-00 1-216-296-00	METAL GLAZE	4.7K 5% 1K 5% 0 5%	1/10W 1/10W 1/8W	
JR01 JR02	1-216-295-00 1-216-295-00	METAL GLAZE METAL GLAZE	0 5% 0 5%	1/10W 1/10W		<var< td=""><td>IABLE RESISTO</td><td>R></td><td></td><td></td></var<>	IABLE RESISTO	R>		
JRO3 JRO8 JRO9	1-216-295-00 1-216-295-00 1-216-295-00	METAL GLAZE METAL GLAZE METAL GLAZE METAL GLAZE METAL GLAZE	0 5% 0 5% 0 5%	1/10W 1/10W 1/10W	RV1	1-238-012-11	RES, ADJ, CA	RBON 1K		
JR11 JR14	1-216-295-00 1-216-296-00	METAL GLAZE	0 5% 0 5%	1/10W 1/8W 1/10W	V1	<cry 1-579-266-31</cry 	STAL>	ATOR		
JR17 JR18 JR19	1-216-295-00 1-216-296-00 1-216-296-00	METAL GLAZE METAL GLAZE	0 5% 0 5% 0 5% 0 5% 0 5%		X2	1-577-364-11	VIBRATUR, CE	RAMIC	:*****	******
JR20 JR21 JR23 JR24 JR25	1-216-296-00 1-216-296-00 1-216-295-00 1-216-296-00 1-216-296-00	METAL GLAZE METAL GLAZE METAL GLAZE METAL GLAZE METAL GLAZE	0 5% 0 5% 0 5% 0 5% 0 5%	1/8W 1/8W 1/10W 1/8W 1/8W	-	*1-638-744-12	H1 BOARD			
JR26 JR201	1-216-296-00 1-216-295-00				C1651	<cap 1-102-106-00</cap 	'ACITOR> CERAMIC	100PF	10%	50V
JR204 JR207 JR208	1-216-295-00 1-216-295-00 1-216-295-00	METAL GLAZE METAL GLAZE METAL GLAZE	0 5% 0 5% 0 5% 0 5% 0 5%	1/10W 1/10W 1/10W	C1652 C1653 C1655	1-102-106-00 1-102-106-00 1-102-074-00 1-102-074-00	CERAMIC CERAMIC CERAMIC	100PF 0.001MF 0.001MF	10% 10% 10%	50V 50V 50V
JR211 JR213 JR219	1-216-295-00 1-216-295-00 1-216-296-00	METAL GLAZE	0 5% 0 5% 0 5%	1/10W 1/10W 1/8W	 	<con< td=""><td>INECTOR></td><td></td><td></td><td></td></con<>	INECTOR>			
JR220 JR223	1-216-295-00 1-216-295-00 1-216-295-00	METAL GLAZE METAL GLAZE METAL GLAZE	0 5% 0 5%	1/10W 1/10W	H1-02	*1-568-881-51 1-568-678-11 *1-568-879-51	PIN, CONNECT TERMINAL BLO PIN, CONNECT	CK, S 3P		
R1 R2 R3	1-218-326-11 1-216-214-00 1-216-049-00	METAL GLAZE METAL GLAZE METAL GLAZE	470 5% 4.7K 5% 1K 5%	1/2W 1/8W 1/10W	H1-05 H1-23	1-562-837-11 *1-568-879-51	JACK PIN, CONNECT	OR 4P		
R4 R5	1-216-025-00 1-216-047-00	METAL GLAZE	100 5% 820 5%	1/10W 1/10W	H1-43	*1-564-512-11		TOR 9P	٠	
R6 R7 R8	1-216-001-00 1-216-083-00 1-216-071-00	METAL GLAZE METAL GLAZE	10 5% 27K 5% 8.2K 5%	(1/10W (1/10W (1/10W		1-249-413-11		470 5% 470 5%	1/4W	
R9 R10	1-216-308-00 1-218-325-11	METAL GLAZE METAL GLAZE	4.7 5% 120 5%	(1/10W (1/4W	R1652	1-249-413-11		470 5%	1/4W	
R11 R12 R13	1-218-325-11 1-218-325-11 1-216-025-00	METAL GLAZE METAL GLAZE	120 57 120 57 100 57 10 57	/ 1/4W / 1/4W / 1/10W	S1651	1-571-532-21	ITCH> SWITCH, TACT			
R14 R15	1-216-001-00 1-216-013-00	METAL GLAZE	33 57	% 1/10W	S1652 S1653			IL		
R16	1-216-013-00	METAL GLAZE	33 55	% 1/10W	*****	***********	*********	*********	******	** ******

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REF.NO. PART N	D. 	DESCRIPTION			REMARK	REF.NO.	PART NO.	DESCRIPTION			REMARK
*1-638- *4-374-	392-11 987-01	H2 BOARD ******** GUIDE, LIGHT	LICHT CHINE			C226 C227 C228 C229 C230	1-136-173-00 1-137-102-11 1-137-104-11 1-137-049-11 1-137-049-11	FILM FILM FILM FILM FILM	0.47MF 0.022MF 0.033MF 0.015MF 0.015MF	5% 10% 10% 10% 10%	50V 250V 250V 400V 400V
	000 51	MECTOR/	0			C243	1 1(2 022 00	CERAMIC CHIP	0.022MF 0.022MF	20% 20% 10% 10% 10% 20% 5% 20% 10%	50V 50V 50V 50V 50V 50V 50V 50V 50V 50V
IC1651 8-741-	<1C> 101-75	IC SBX1610-1	1			C1401 C1402 C1403 C1404 C1405	1-163-033-00 1-163-033-00 1-124-907-11 1-126-103-11 1-163-003-11 1-137-098-11	CERAMIC CHIE ELECT ELECT CERAMIC CHIE FILM CERAMIC CHIE	10MF 470MF 330PF 0.1MF	20% 20% 10% 10%	50V 50V 16V 50V 100V 50V
R1662 1-249-	413-11	CARBON	470 5%	1/4W		C1406 C1407 C1408 C1409	1-137-098-11 1-124-910-11 1-124-122-11 1-126-233-11 1-124-907-11	ELECT ELECT ELECT	0.1MF 47MF 100MF 22MF 10MF	10% 20% 20% 20% 20%	100V 50V 50V 50V 50V
		J1 BOARD, CO *********** J1 BOARD, CO ***********	***** Mplete (kv-)		ONLY)	C1411 C1412 C1413 C1414	1-124-907-11 1-124-910-11 1-124-910-11 1-124-907-11	ELECT ELECT ELECT ELECT	10MF 47MF 47MF 10MF 0.1MF	20% 20% 20% 20% 10%	50V 50V 50V 50V 100V
C205 1-124 C206 1-124 C207 1-124 C213 1-126 C214 1-137 C217 1-137 C218 1-137 C219 1-137 C220 1-108 C221 1-108 C221 1-108 C222 1-137 C223 1-137 C224 1-137	<pre><caf -045-11="" -095-11="" -102-11="" -173-00<="" -686-11="" -695-11="" -925-11="" -927-11="" pre=""></caf></pre>	ELECT ELECT ELECT ELECT FILM FILM FILM	2.2MF 4.7MF 2.2MF 4.7MF 22MF 0.0068MF 0.022MF 0.022MF 0.0033MF 0.056MF 0.056MF 0.01MF 0.47MF	20% 20% 20% 20% 20% 10% 10% 10% 10% 10% 10% 10%	50V 50V 50V 50V 50V 400V 250V 250V 100V 100V 100V 400V 50V	C1417 C1418 C1419 C1425 C1426 C1427 C1428 C1429 C1430 C1431 C1432 C1433 C1436 C1437	1-124-120-11 1-163-003-11 1-163-003-11 1-124-902-00 1-124-902-00 1-163-029-11 1-163-029-11 1-163-003-11 1-124-902-00 1-124-122-11 1-163-009-11 1-163-009-11	ELECT CERAMIC CHIE CERAMIC CHIE ELECT CERAMIC CHIE CERAMIC CHIE CERAMIC CHIE CERAMIC CHIE CERAMIC CHIE ELECT ELECT ELECT CERAMIC CHIE CERAMIC CHIE	2 330PF 0.47MF 0.0047MF 2 0.0047MF 2 0.0047MF 2 330PF 0.47MF 0.47MF 100MF 2 0.001MF	10% 20% 10% 20% 20% 20% 20% 20% 20% 20% 20% 20%	100V 16V 50V 50V 50V 50V 50V 50V 50V 50V 50V 50
- 130			A13110) N	501	C1438 C1439 C1440 C1441 C1442	1-124-907-11	FILM FILM ELECT ELECT FILM	0.01MF 0.01MF 10MF 10MF 0.1MF	10% 10% 20% 20% 10%	400V 400V 50V 50V 100V

REMARK	

REF.NO.	PART NO.	DESCRIPTION			REMARK	REF.NO.	PART NO.	DESCRIPTION			
C1445 C1446 C1501 C1502	1-124-910-11 1-102-824-00 1-102-824-00 1-124-927-11 1-124-903-11	CERAMIC ELECT ELECT	47MF 470PF 470PF 4.7MF 1MF	20% 5% 5% 20% 20%	ፍበ ህ !	101/01	8-759-946-32 8-759-140-53	IC TDA6200 IC CXA1114P IC TEA2014A IC UPD4053BC IC TEA2031A			
C1503 C1504	1-108-680-11 1-124-910-11 1-137-094-11 1-108-686-11 1-124-903-11	MYLAR ELECT	0.001MF 47MF 0.047MF	10% 20% 10%	100V 50V 100V		<jac< td=""><td></td><td></td><td></td><td></td></jac<>				
C1507 C1508	1-108-686-11 1-124-903-11	MYLAR ELECT	0.0033MF 1MF	10% 20%	100V 50V	J1402 J1403	1-561-534-41 1-561-534-41	SOCKET 21P SOCKET 21P			
C1509 C1511 C1512	1-124-903-11 1-124-927-11 1-137-045-11	ELECT ELECT FILM	1MF 4.7MF 0.0068MF	20% 20% 10%	50V 50V 400V			NSISTOR>			
C1513	1-163-105-00	CERAMIC CHIP	33PF	5%	50V	Q202	0 500 047 00	TRANSISTOR 2S	C1623-L	.5L6	
C1514	1-137-102-11	FILM	0.022MF	10% (KV-X2	250V 551D ONLY) 50V	01402	8-729-120-28	TRANSISTOR 2S TRANSISTOR 2S	C1623-1	.5L6	
(1515	1-102-117-00	CERAMIC	820FF	(KV-X2	551D ONLY)	Q1404	8-729-216-22	TRANSISTOR 2S	A1162-0	i	
		NECTOR>						ISTOR>			
CN1401 J1-41 J1-43 J1-44 J1-51	1-565-838-11 *1-566-641-11 *1-564-524-11 *1-564-527-11 *1-566-641-11	JACK BLOCK, CONNECTOR, E PLUG, CONNEC PLUG, CONNEC CONNECTOR, E	PIN 2P HINGE (TAB) TOR 9P TOR 12P HINGE (TAB)	18P 18P		R201 R202 R203 R204 R205	1-216-079-00 1-216-206-00 1-216-075-00 1-216-085-00 1-216-085-00	METAL GLAZE METAL GLAZE	18K 2.2K 12K 33K 33K	5% 5% 5% 5% 5% 5%	1/10W 1/8W 1/10W 1/10W 1/10W
	<010	IDE>				R206 R207	1-216-061-00 1-216-061-00	METAL GLAZE METAL GLAZE METAL GLAZE	3.3K 3.3K 15K	5% 5% 5%	1/10W 1/10W 1/10W
D201 D202	8-719-110-14 8-719-110-14	DIODE RD9.16	ES-B3			R208 R209 R210	1-216-077-00 1-216-081-00 1-216-077-00	METAL GLAZE	22K 15K	5% 5%	1/10W 1/10W 1/10W
D205 D206 D1401	8-719-110-03 8-719-110-03 8-719-110-03	DIODE RD7.5	ES-B2			R211 R212 R213	1-216-097-00 1-216-081-00 1-216-077-00	METAL GLAZE METAL GLAZE METAL GLAZE	100K 22K 15K	5% 5% 5% 5%	1/10W 1/10W 1/10W
D1403 D1404 D1405	8-719-110-03 8-719-110-03 8-719-110-03	DIODE RD7.51 DIODE RD7.51 DIODE RD7.51	ES-B2			R214 R215	1-216-033-00 1-216-081-00	METAL GLAZE METAL GLAZE	220 22K	5% 5%	1/10V 1/10V
D1406 D1407	8-719-110-03 8-719-921-77	DIODE RD7.51 DIODE MTZN-	ES-B2 10C			R216 R217 R218	1-216-081-00 1-216-077-00 1-216-033-00	METAL GLAZE METAL GLAZE	22K 15K 220	5% 5%	1/10V 1/10V 1/10V
D1408 D1409 D1410	8-719-110-14 8-719-110-14 8-719-110-14	DIODE RD9.11	ES-B3			R219 R220	1-216-073-00 1-216-057-00	METAL GLAZE	10K 2.2K	5% 5%	1/10W 1/10W
D1415	8-719-110-03 8-719-110-03	DIODE RD7.5	ES-B2			R223	1-216-041-00 1-216-041-00 1-216-049-00	METAL GLAZE METAL GLAZE	1 K	5% 5% 5%	1/10V 1/10V 1/10V
D1419 D1420 D1421	8-719-110-03 8-719-110-03 8-719-110-03	DIODE RD7.5 DIODE RD7.5 DIODE RD7.5	ES-B2			R224 R225	1-216-049-00 1-216-049-00	METAL GLAZE METAL GLAZE	1 K 1 K	5% 5% 5%	1/10V 1/10V
D1422 D1423	8-719-110-03 8-719-110-03	DIODE RD7.5 DIODE RD7.5	ES-B2			R226 R227 R228	1-216-049-00 1-216-033-00 1-216-033-00	METAL GLAZE METAL GLAZE METAL GLAZE	1K 220 220	5% 5% 5% 5%	1/100 1/100 1/100
D1424 D1425 D1426	8-719-110-03 8-719-110-03 8-719-110-03	DIODE RD7.5 DIODE RD7.5 DIODE RD7.5	ES-B2			R229 R230	1-216-075-00 1-216-079-00	METAL GLAZE METAL GLAZE	12K 18K	5% 5%	1/1W 1/1W
D1501 D1502	8-719-300-33 8-719-911-19	DIODE RU-3A	Μ			R231 R232 R233	1-216-073-00 1-216-073-00 1-216-057-00	METAL GLAZE METAL GLAZE METAL GLAZE	10K 10K 2.2K	5% 5% 5%	1/1W 1/1W 1/1W
D1503 D1504 D1505	8-719-911-19 8-719-911-19 8-719-911-19	DIODE 18811	9			R234 R235	1-216-057-00 1-216-295-00	METAL GLAZE METAL GLAZE	2.2K 0	5% 5%	1/10 1/10
D1506 D1507	8-719-911-19 8-719-982-33 8-719-911-19	DIODE MTZJ-	36D			R236 R240 R241	1-216-295-00 1-216-033-00 1-216-091-00	METAL GLAZE METAL GLAZE METAL GLAZE	0 220 56K	5% 5% 5%	1/10 1/10 1/10
D1510	8-719-911-19	DIODE 18811	9			R242 R243	1-216-091-00 1-216-075-00	METAL GLAZE METAL GLAZE	56K 12K	5% 5% 5%	1/10 1/10 1/10
	<10	>				R244 R245	1-216-067-00 1-216-075-00		5.6K 12K	5% 5%	1/10 1/10

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REF.NO.	PART NO.	DESCRIPTION				REMARK	REF.NO.	PART NO.	DESCRIPTION		REMARK
R246 R247 R248 R249 R250	1-216-067-00 1-216-075-00 1-216-067-00 1-216-075-00 1-216-067-00	METAL GLAZE METAL GLAZE METAL GLAZE METAL GLAZE METAL GLAZE	5.6K 12K 5.6K 12K 5.6K	5%%%%% 5%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%	1/10W 1/10W 1/10W 1/10W 1/10W		R1468 R1469 R1470 R1471	1-216-025-00 1-216-025-00 1-216-025-00 1-216-023-00 1-216-023-00 1-216-023-00	METAL GLAZE METAL GLAZE METAL GLAZE METAL GLAZE	100 5% 100 5% 100 5% 82 5%	1/10W 1/10W 1/10W
R1401 R1402 R1403 R1404	1-216-295-00 1-216-023-00 1-216-170-00 1-216-089-00 1-216-178-00		0 82 68 47K 150	5%%%%% 5555555555555555555555555555555	1/10W 1/10W 1/8W 1/10W 1/8W		R1472 R1473 R1474 R1476 R1477 R1478	1-216-023-00 1-216-023-00 1-216-113-00 1-216-089-00 1-216-113-00 1-216-190-00	METAL GLAZE	82 52 82 52 470K 52 47K 52 47K 52 470K 52 470K 52	
R1407 R1408 R1409 R1410	1-249-434-11 1-216-113-00 1-216-089-00 1-216-041-00 1-216-089-00	METAL GLAZE METAL GLAZE METAL GLAZE METAL GLAZE	470 47K	5% 5%	1/10W 1/10W 1/10W		R1482 R1483 R1484 R1485	1-216-178-00 1-216-178-00 1-216-073-00 1-216-073-00	METAL GLAZE METAL GLAZE METAL GLAZE METAL GLAZE	150 5% 150 5% 10K 5% 10K 5%	
R1412 R1413 R1414 R1415	1-216-041-00 1-216-089-00 1-216-113-00 1-216-089-00 1-216-083-00	METAL GLAZE METAL GLAZE METAL GLAZE METAL GLAZE METAL GLAZE	470K 47K 27K	5% 5% 5%	1/10W 1/10W 1/10W 1/10W 1/10W			1-216-073-00 1-216-065-00 1-216-065-00 1-216-065-00 1-216-081-00 1-216-083-00		10K 5% 4.7K 5% 4.7K 5% 4.7K 5% 22K 5% 27K 5%	
R1417 R1418 R1419 R1420	1-216-023-00 1-247-738-11 1-216-295-00 1-216-295-00 1-216-295-00	METAL GLAZE CARBON METAL GLAZE METAL GLAZE METAL GLAZE	82 82 0 0	5% 5% 5%	1/2W 1/10W 1/10W	F	R1503 R1504 R1505	1-216-113-00 1-216-085-00 1-216-081-00	METAL GLAZE METAL GLAZE METAL GLAZE	470K 5% 33K 5% 22K 5% 470K 5% 220K 5%	
R1425 R1426	1-216-025-00 1-216-083-00 1-216-083-00 1-216-045-00 1-216-025-00	METAL GLAZE METAL GLAZE METAL GLAZE METAL GLAZE	100 27K 27K 680	5% 5% 5%	1/10W		R1510 R1511 R1512 R1513 R1514	1-216-113-00 1-216-105-00 1-216-067-00 1-216-049-00 1-216-073-00 1-216-091-00 1-216-049-00	METAL GLAZE	5.6K 5% 1K 5% 10K 5% 56K 5% 1K 5%	1/104
R1427 R1428 R1429 R1430	1-216-001-00 1-216-113-00 1-216-113-00 1-216-170-00 1-216-041-00	METAL GLAZE METAL GLAZE METAL GLAZE METAL GLAZE	100 10 470K 470K 68	5% 5% 5%	1/10W 1/10W 1/8W 1/10W		R1516 R1517 R1519	1-216-117-00 1-216-079-00 1-216-033-00 1-216-101-00	METAL GLAZE METAL GLAZE METAL GLAZE	680K 55 18K 55 220 55 150K 55	(KV-X2551D ONLY) (1/10W (1/10W (1/10W
R1432 R1433 R1434 R1437	1-216-045-00	METAL GLAZE CARBON CARBON METAL GLAZE				F	R1521	1-216-111-00 1-216-214-00	METAL GLAZE METAL GLAZE METAL GLAZE	390K 55	(KV-X2551D UNLY) (1/10W (KV-X2951D ONLY) (1/8W
R1441 R1442 R1443 R1444	1-216-045-00 1-216-089-00 1-216-089-00 1-216-033-00 1-216-095-00	METAL GLAZE METAL GLAZE METAL GLAZE	680 47K 47K 220 82K	5% 5% 5% 5%	1/10W 1/10W 1/10W 1/10W 1/10W			1-216-349-00 1-216-067-00	METAL OXIDE METAL GLAZE	1 55 5.6K 55	
R1446 R1447 R1448 R1449	1-216-033-00 1-216-033-00 1-216-025-00 1-216-023-00 1-216-049-00	METAL GLAZE METAL GLAZE METAL GLAZE METAL GLAZE	220 220 100 82	5% 5% 5% 5%	1/10W 1/10W 1/10W 1/10W		RV1500 RV1500	1 1-238-023-11 2 1-238-016-11 3 1-238-017-11	RIABLE RESISTO RES, ADJ, CA RES, ADJ, CA RES, ADJ, CA RES, ADJ, CA	RBON 470K RBON 10K RBON 22K	
R1453 R1454 R1455 R1457	1-216-049-00 1-216-180-00 1-216-180-00 1-216-025-00 1-216-025-00	METAL GLAZE METAL GLAZE METAL GLAZE METAL GLAZE	1 K 180 180 100	5% 5% 5%	1/10W 1/8W 1/8W 1/10W		RV1504 RV1504 RV1504 RV1504	5 1-238-023-11 5 1-238-017-11 7 1-238-009-11 8 1-238-016-11	RES, ADJ, CA RES, ADJ, CA	RBON 470K RBON 22K RBON 220 RBON 10K	
R1460 R1461 R1462 R1463	1-216-053-00 1-216-190-00 1-216-057-00 1-216-049-00	METAL GLAZE METAL GLAZE METAL GLAZE METAL GLAZE	1.5K 470 2.2K 1K	5% 5% 5%	1/10W 1/8W 1/10W 1/10W		i	*********		********* OMPLETE	*************
R1464 R1465 R1466 R1467	1-216-061-00 1-216-023-00 1-216-033-00 1-216-025-00	METAL GLAZE	3.3K 82 220 100	5% 5% 5%	1/10W 1/10W 1/10W 1/10W			< C A	PACITOR>		

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RĖF.NO.	PART NO.	DESCRIPTION			REMARK	REF.NO.	PART NO.	DESCRIPTION		REMARK	
C1 C2 C3 C4 C5	1-163-031-11 1-163-031-11 1-163-031-11 1-163-031-11 1-163-031-11	CERAMIC CHIP CERAMIC CHIP CERAMIC CHIP	0.01MF 0.01MF 0.01MF		50V 50V 50V 50V 50V	L1 L2 L3 L4 L5	1-408-410-00 1-410-064-11 1-408-421-00	INDUCTOR INDUCTOR INDUCTOR INDUCTOR INDUCTOR INDUCTOR	120H 120H 2.7MMH 1000H 1000H		
C6 1-163-031-11 CERAMIC C7 1-124-903-11 ELECT C8 1-124-907-11 ELECT			0.01MF 1MF 10MF	20% 20%	50V 50V 50V		<tra< td=""><td>NSISTOR></td><td></td><td></td></tra<>	NSISTOR>			
C9 C10	1-130-471-00	MYLAR CERAMIC CHIP	0.001MF 5% 50V IC CHIP 150PF 5% 50V			Q2 Q3 Q4	Q3 8-729-216-22 TRANSISTOR 2SA1162-G				
C11 C12 C13 C14 C15	1-163-119-00 1-136-298-00 1-124-477-11 1-124-477-11 1-124-477-11	CERAMIC CHIP FILM ELECT ELECT ELECT	5% 2% 20% 20% 20%	50V 100V 16V 16V 16V	JR8	<res< td=""><td>1/8W</td></res<>	1/8W				
C16 C17 C18 C19	1-124-477-11 1-124-907-11	ELECT ELECT FILM FILM	47MF 47MF 10MF 0.01MF 0.01MF	20% 20% 10%	16V 50V 400V 400V	JR10 R1 R2 R3		METAL GLAZE METAL GLAZE METAL GLAZE METAL GLAZE	0 5% 0 5% 680 5% 560 5% 560 5%	1/8W 1/10W 1/10W 1/10W	
C20 C21	1-126-233-11 1-126-233-11	ELECT ELECT	22MF 22MF	20% 20%	50V 50V	R5 R6 R7	1-216-045-00 1-216-043-00 1-216-043-00	METAL GLAZE METAL GLAZE METAL GLAZE	680 5% 560 5% 560 5% 10K 5% 82K 5%	1/10W 1/10W 1/10W	
C22 C23 C24	1-137-098-11 1-137-031-11 1-124-034-51	FILM FILM ELECT	0.1MF 0.22MF 33MF	10% 10% 20%	100V 100V 16V	R9 R11	1-216-073-00 1-216-095-00	METAL GLAZE		1/10W 1/10W	
C25 C26	1-137-102-11	FILM FILM	0.022MF 0.047MF	10%	250V 100V	R12 R13 R15	1-216-097-00 1-216-071-00 1-216-059-00	METAL GLAZE METAL GLAZE METAL GLAZE	100K 5% 8.2K 5% 2.7K 5% 100K 5% 100K 5%	1/10W 1/10W 1/10W	
C27 C28 C29 C30	1-124-903-11 1-163-109-00 1-124-903-11 1-124-903-11		1MF 47PF 1MF 1MF	20% 5% 20% 20%	50V 50V 50V 50V	R16 R17 R18	1-216-097-00 1-216-097-00 1-216-063-00	METAL GLAZE METAL GLAZE METAL GLAZE		1/10W 1/10W 1/10W	
.C31 C32	1-137-047-11 1-130-479-00	FILM MYLAR	0.01MF 0.0047MF	10%	400V 50V	R19 R20 R22	1-216-097-00 1-216-075-00 1-216-099-00	METAL GLAZE METAL GLAZE METAL GLAZE	3.9K 5% 100K 5% 12K 5% 12OK 5% 47K 5%	1/10W 1/10W 1/10W 1/10W	
C33 C34 C35	1-163-081-00 1-137-031-11 1-124-907-11	CERAMIC CHIP FILM ELECT	0.22MF 0.22MF 10MF	10% 20%	25V 100V 50V	R24	1-216-089-00 1-216-077-00	METAL GLAZE	47K 5% 15K 5%	1/10₩ - 1/10₩	
C36 C37	1-124-477-11	CERAMIC CHIP	47MF	5% 20%	50V 16V		<var< td=""><td>IABLE RESISTOR</td><td>!></td><td></td></var<>	IABLE RESISTOR	! >		
C38 C39	1-124-477-11 1-163-133-00	ELECT CERAMIC CHIP	47MF 470PF	20 % 5%	16V 50V	RV1 RV2		RES, ADJ, CAR RES, ADJ, CAR			
<filter></filter>						***************************************					
CDA1 CDA2 SFT1	1-404-751-11 1-404-750-11 1-527-840-00	DISCRIMINATO	R, CERAMIC			1	***	CELLANEOUS			
ŠFT2	1-527-839-00					21	: 1-426-535-11 کا 1-426	COIL. DEGAUSS	SING (KV-X2	D ONLY) 951D ONLY	
<d10de></d10de>							A 1-451-311-21 DEPLECTION YOKE (Y25FXA) (KV-X255)D ONLY) A 1-451-313-21 DEPLECTION YOKE (Y29FXA) (KV-X295)D ONLY) 1-452-032-00 MAGNET, DISK; 10MM				
D3	8-719-400-18	DIODE MA152WK					1-452-094-00	MAGNET, ROTAT	ABLE DISK;	15MM Ø	
<1c>					A.1-452-509-42 NECK ASSY, PICTURE TUBE (NA-308) (KV-X295 D ONLY) 1-544-727-11 SPEAKER (7.5X13CM)						
101 102 103	8-759-003-90 8-759-003-90 8-759-030-48	IC TBA129 IC TBA129 IC TDA6600-2					<u> </u>	GORD, POWER	WITH NOISE	FILTER)) (KV-X255 D ONLY)	
104	8-759-513-48	1C TDA6600-2				10.1	∆. 8-733-831-05	PICTURE TUBE	(A68JYL61X) (KV-X295 D ONLY)	
<connector></connector>							**********	**********	*******	*********	
IFG13 *1-565-488-11 CONNECTOR, BUARD TO BOARD 12P											
						1					

ACCESSORIES AND PACKING MATERIALS

PART NO.	DESCRIPTION REMARK	
4-200-874-11 *4-034-981-01 *4-200-876-01 *4-035-035-01	MANUAL, INSTRUCTION (GERMAN/ENGLISH/ FRENCH/DUTCH/ITALIAN/PORTUGUESE) CUSHION (UPPER) (ASSY) (KV-X2551D ONLY) CUSHION (UPPER) (ASSY) (KV-X2951D ONLY) CUSHION (LOWER) (ASSY) (KV-X2551D ONLY)	
*4-200-879-01 *4-035-040-01 *4-200-884-01 *4-380-340-01 *4-384-027-01	CUSHION (LOWER) (ASSY) (KV-X2951D ONLY) INDIVIDUAL CARTON (KV-X2551D ONLY) INDIVIDUAL CARTON (KV-X2951D ONLY) BAG, PROTECTION (KV-X2551D ONLY) BAG, PROTECTION (KV-X2951D ONLY)	

REMOTE COMMANDER

1-465-796-11 CONTROL UNIT, REMOTE (RM-816) 4-031-670-01 COVER, POCKET (FOR RM-816)

English 92BU0533-1

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